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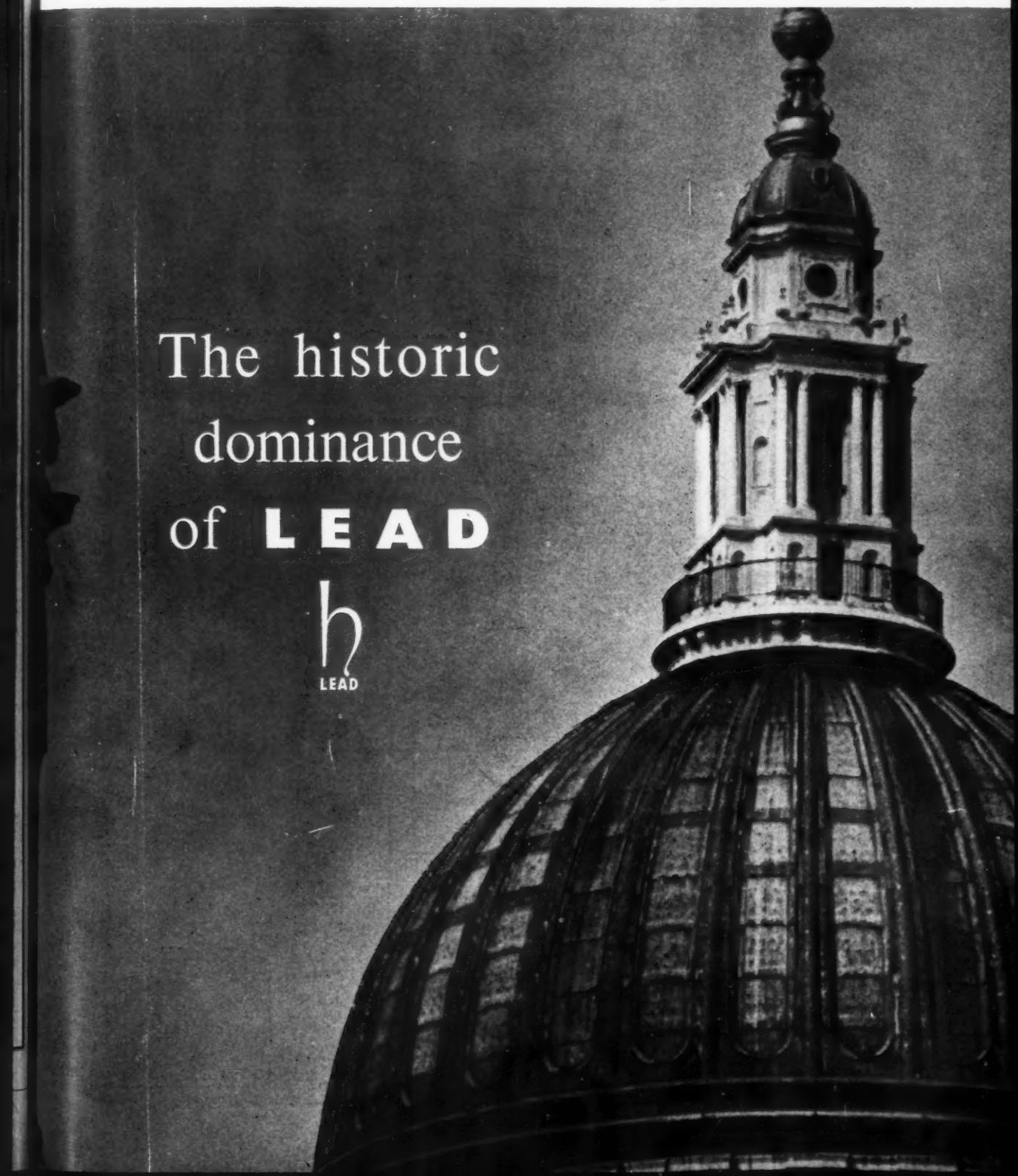
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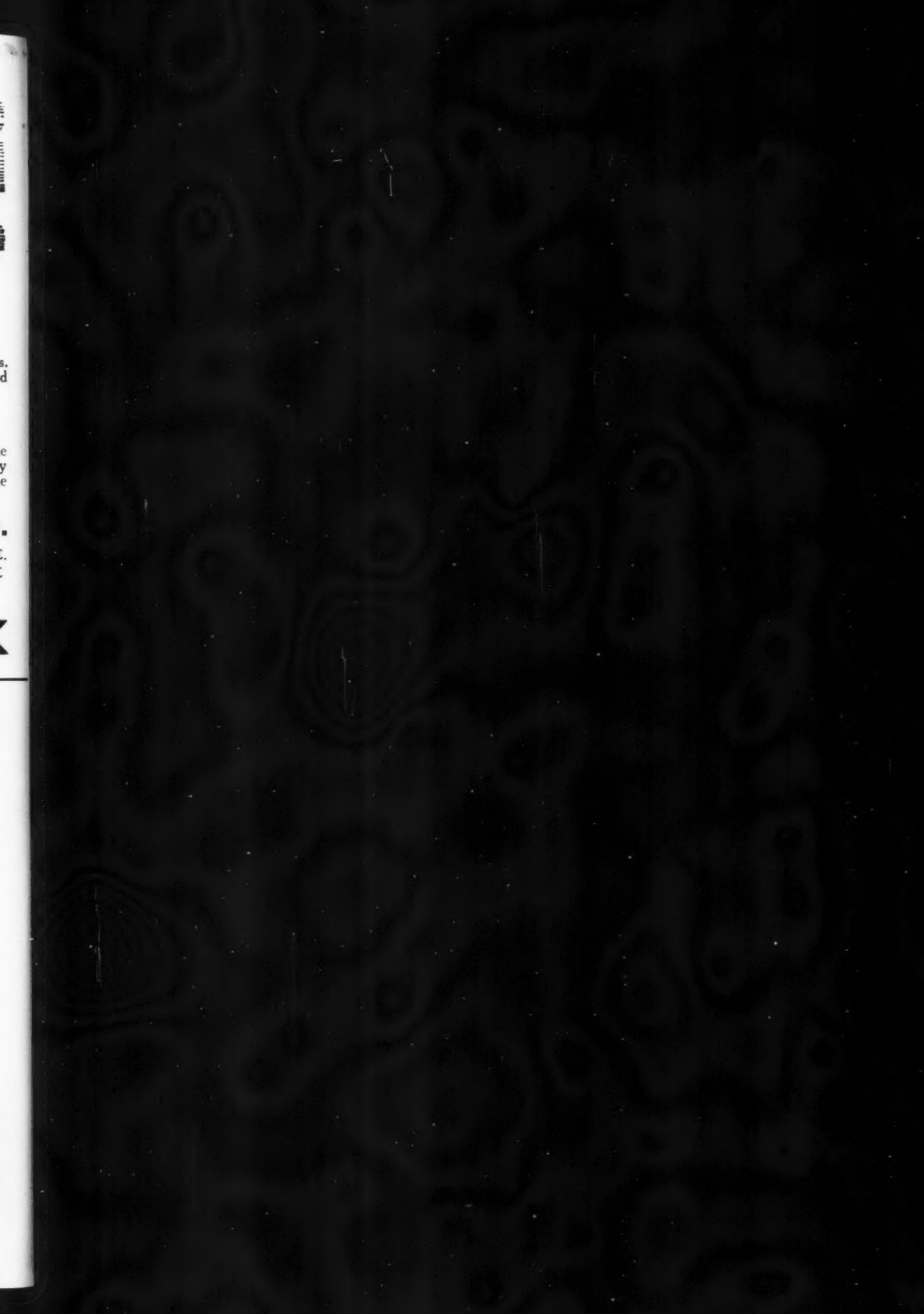
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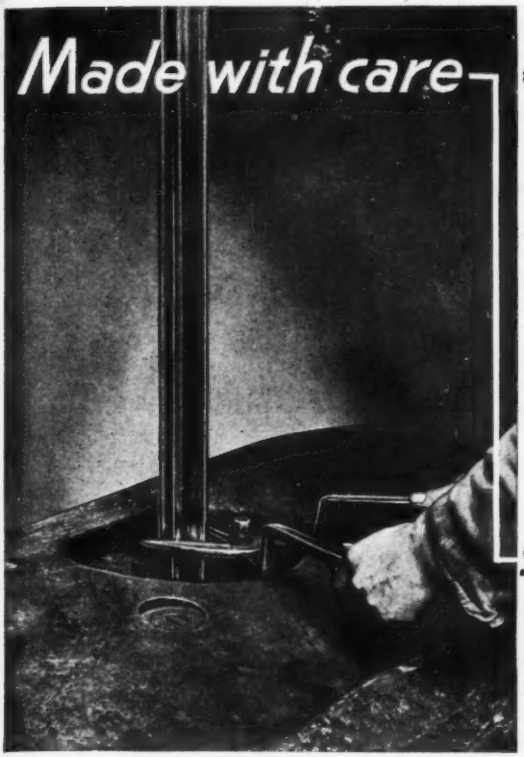
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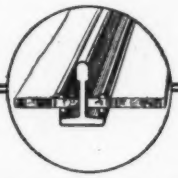
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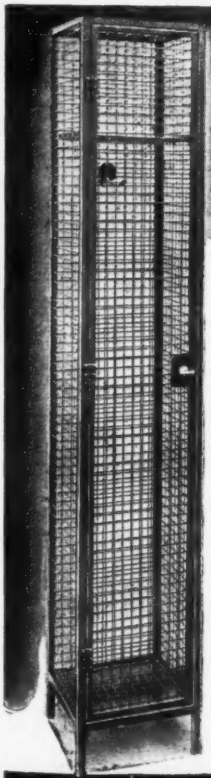
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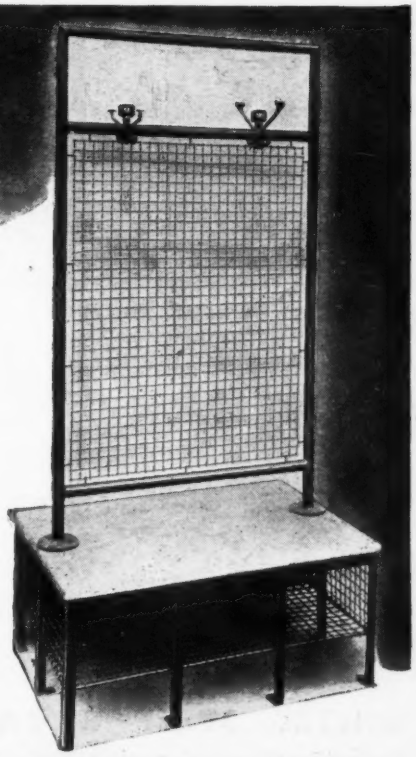
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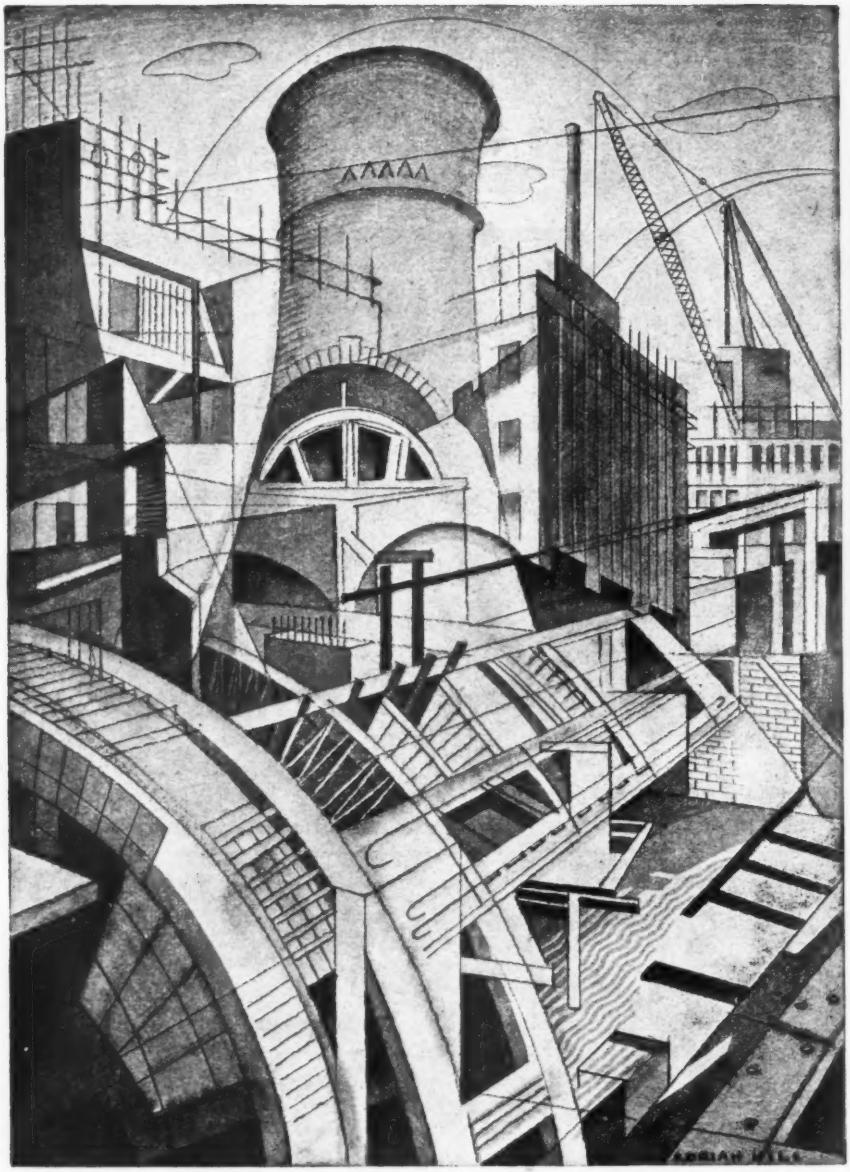
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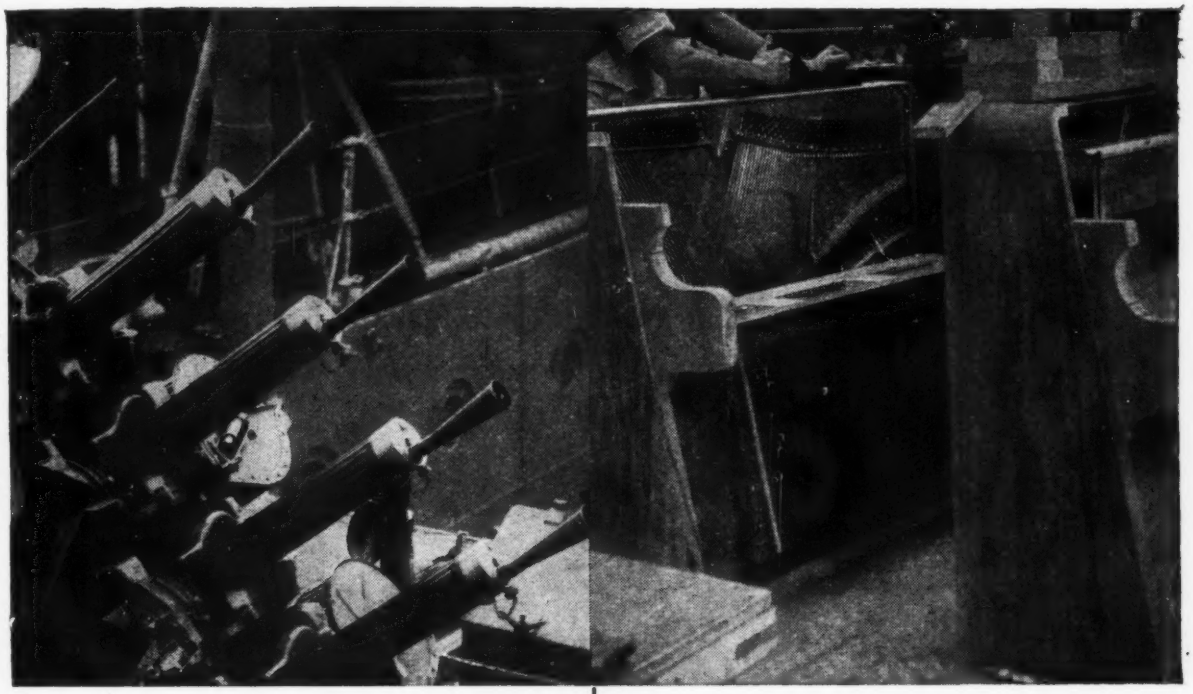
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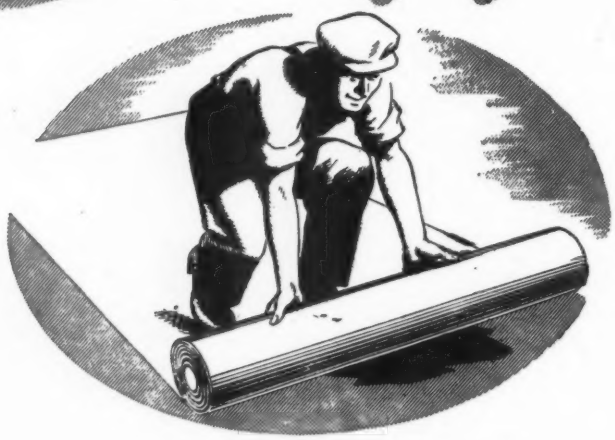


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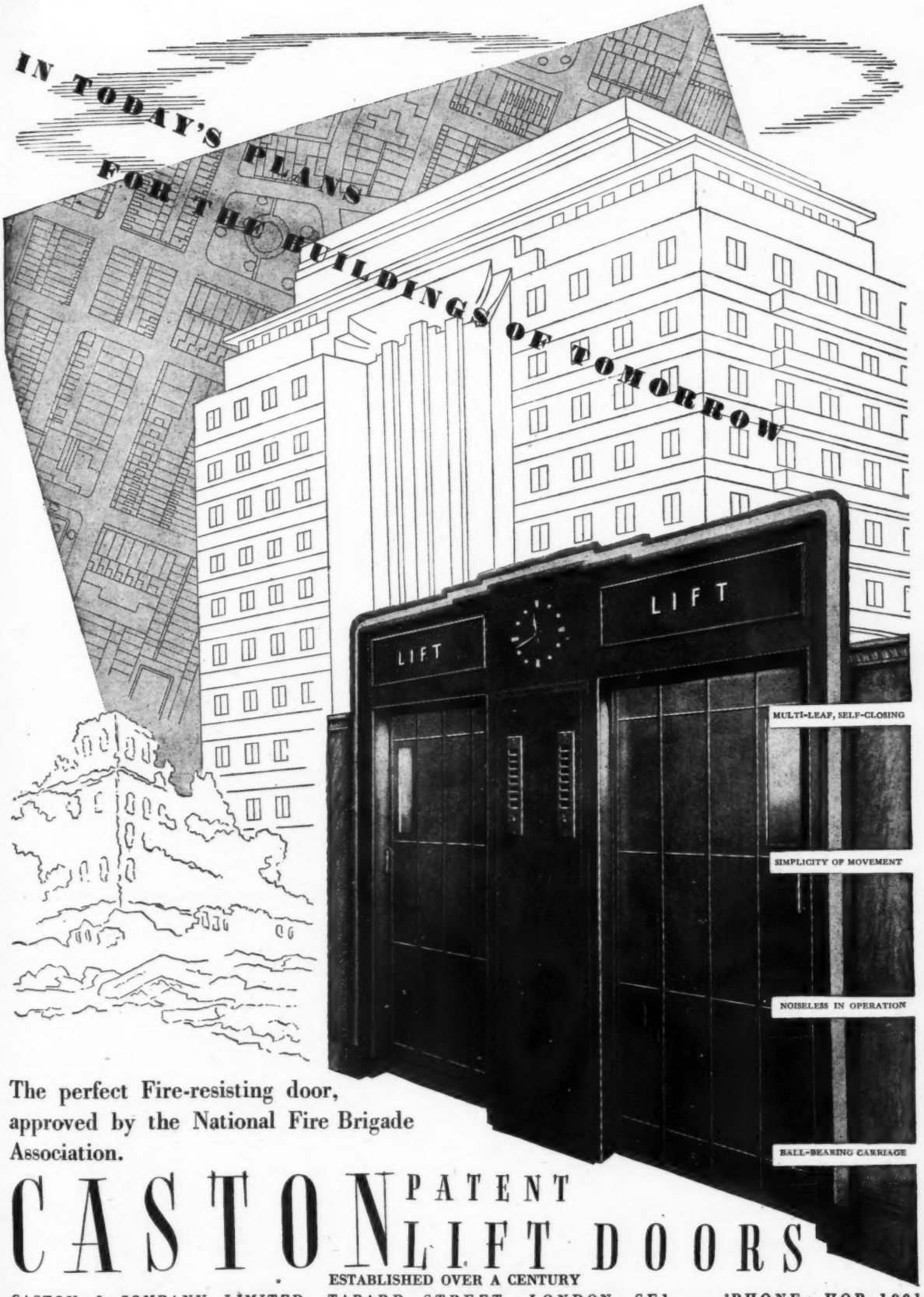
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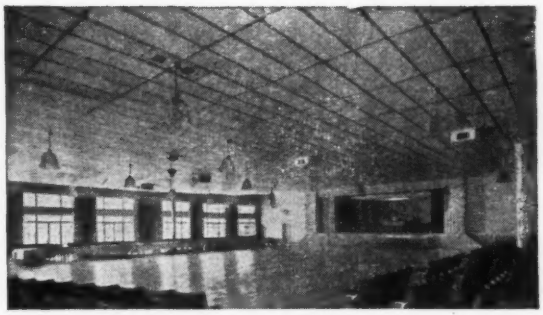
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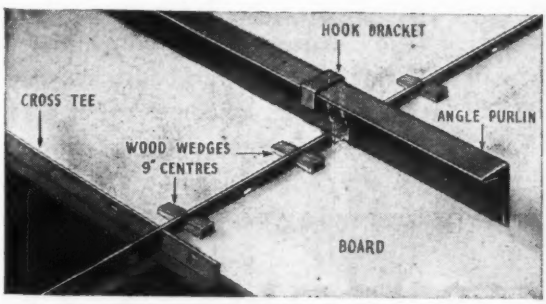


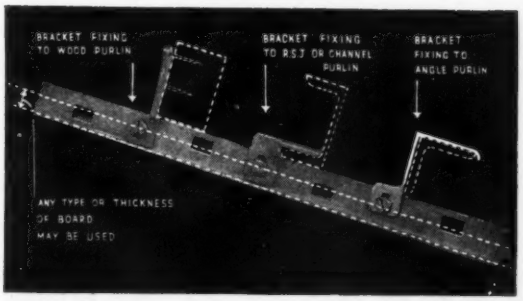
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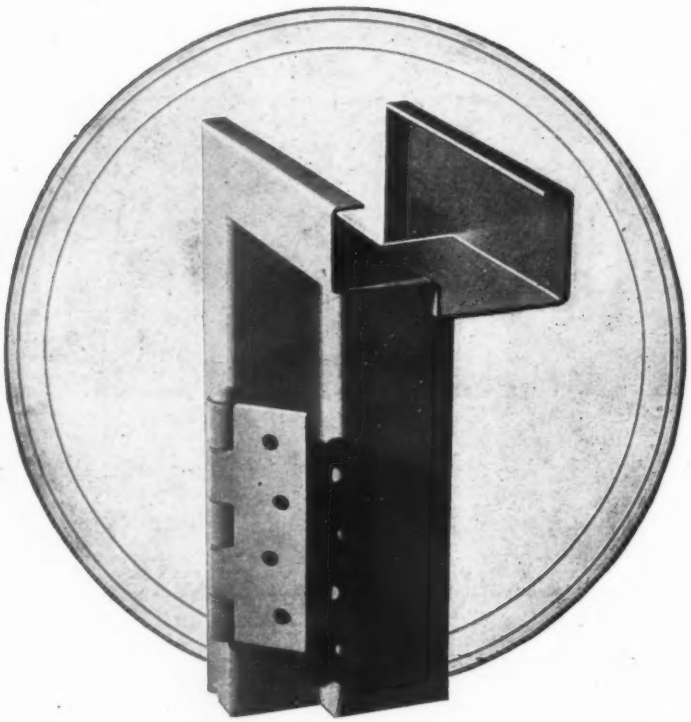


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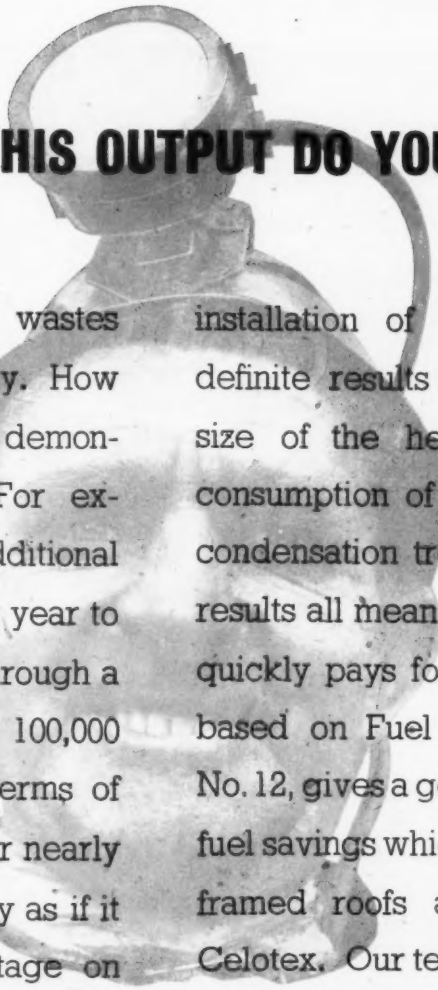
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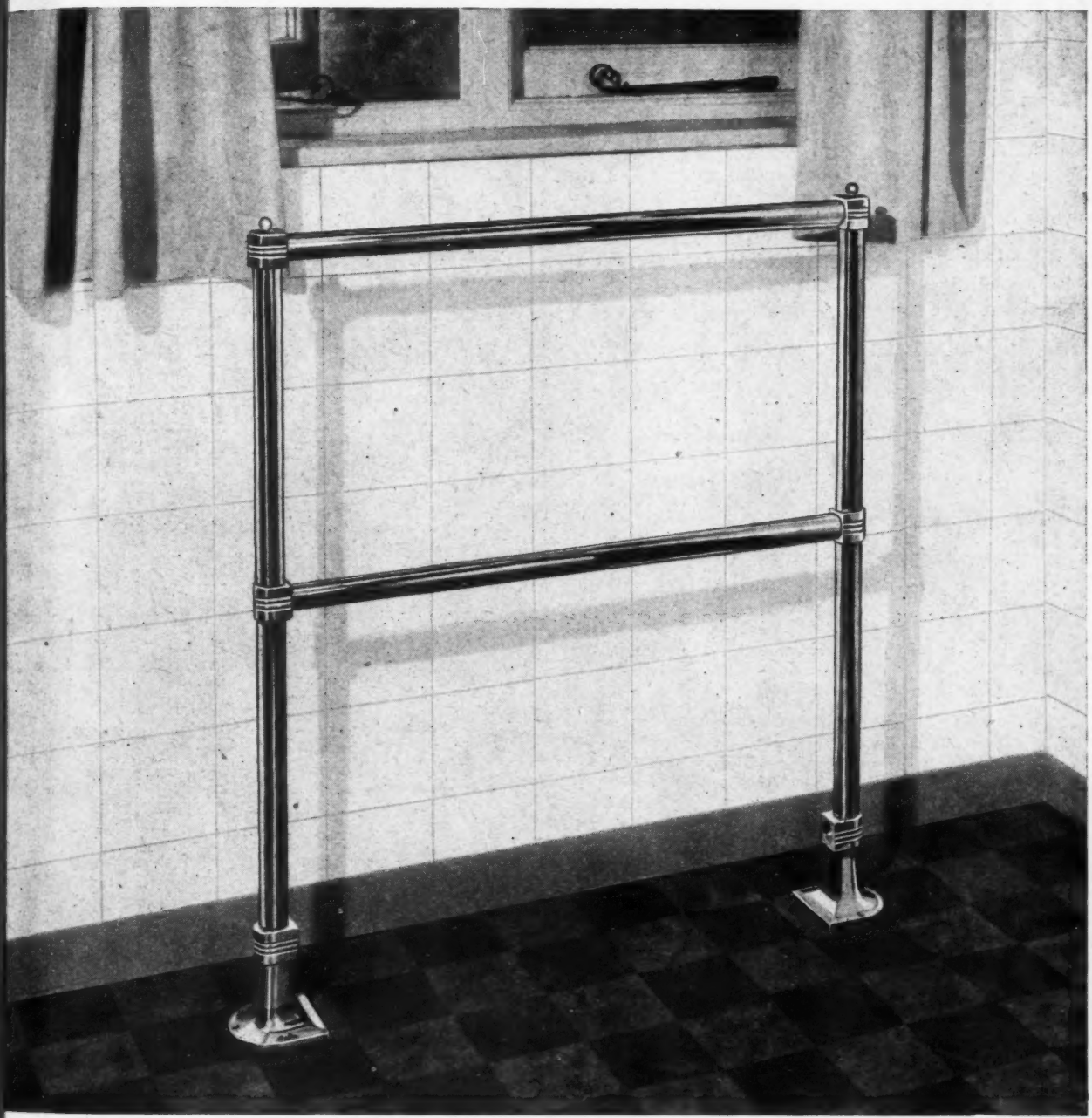
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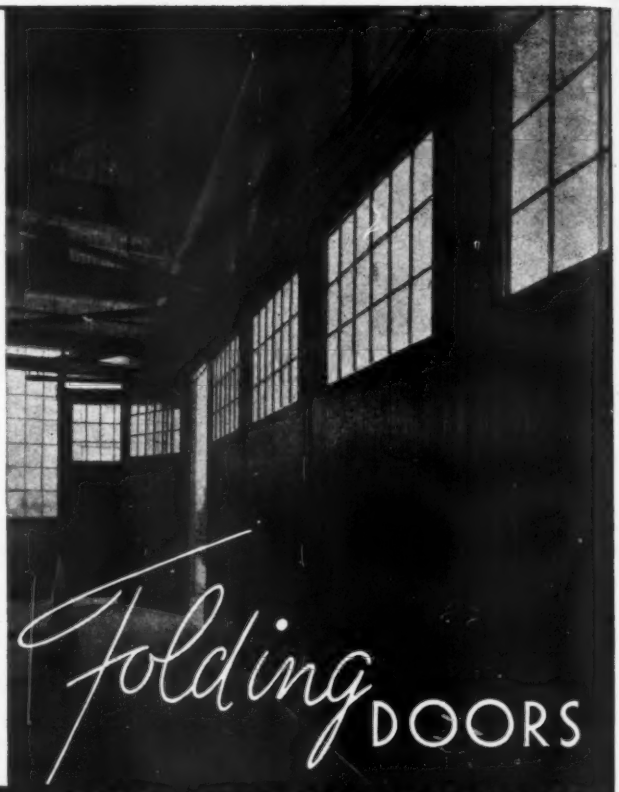
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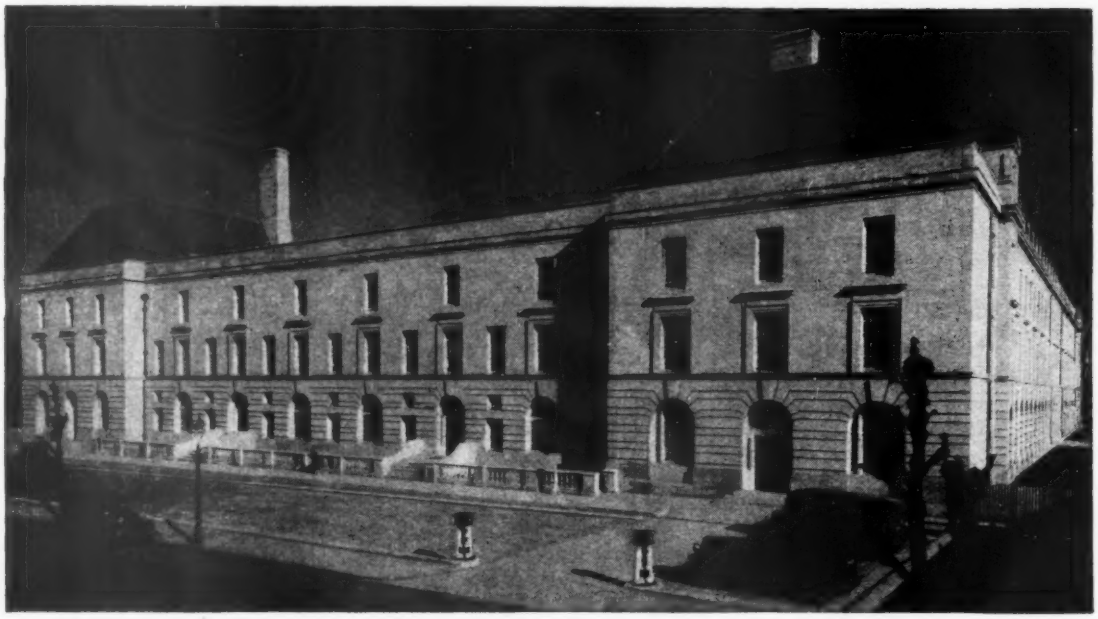
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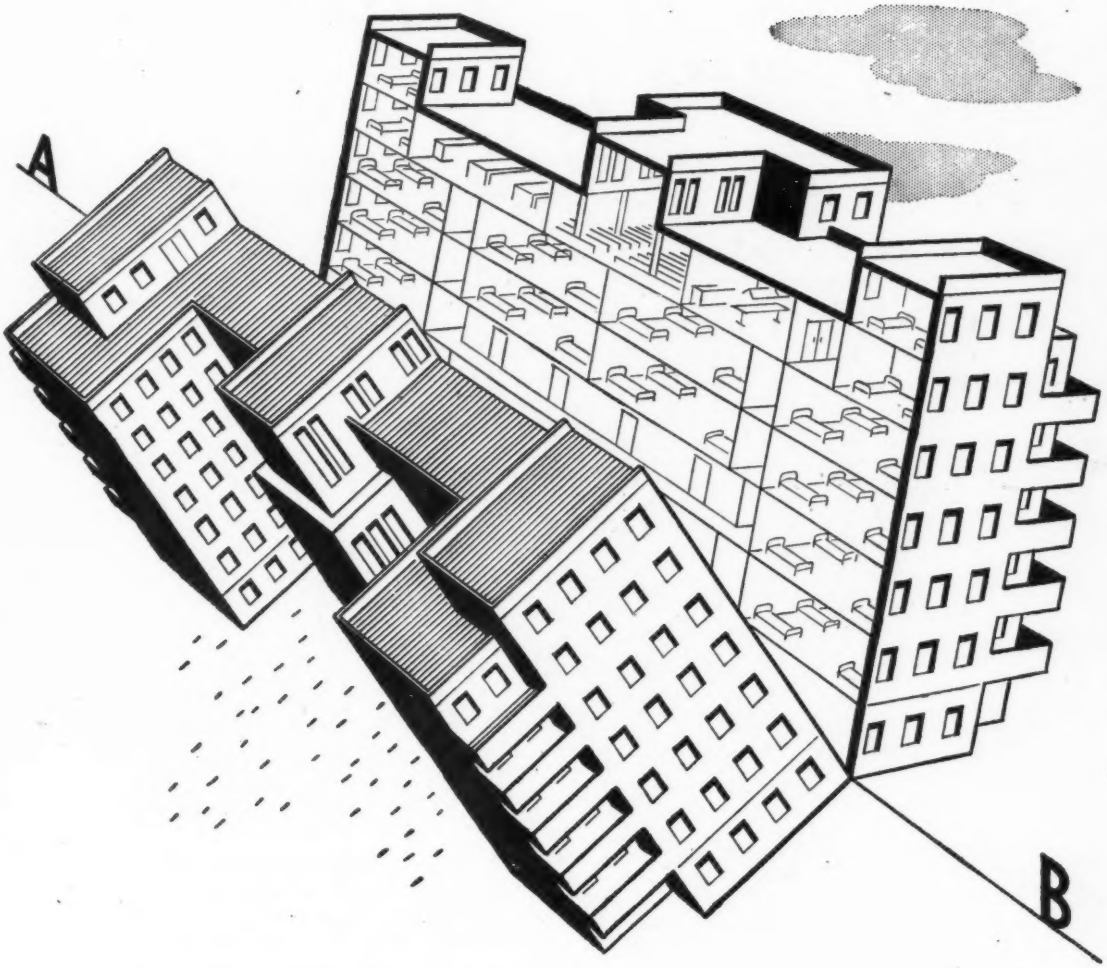
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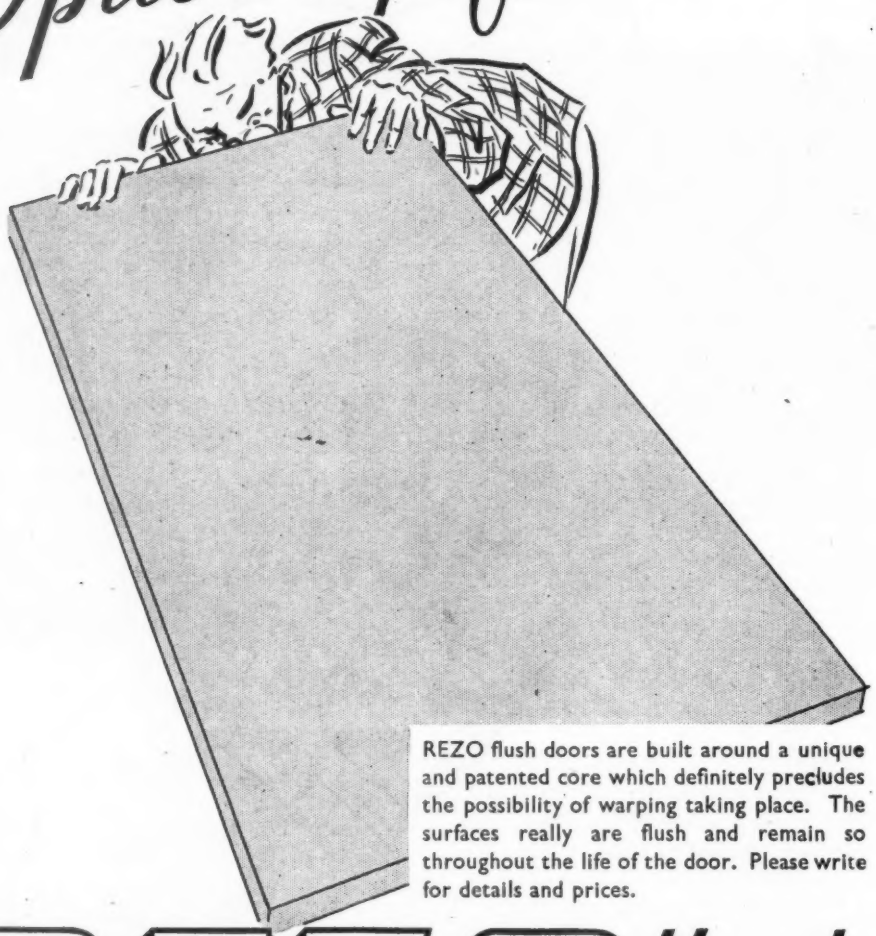
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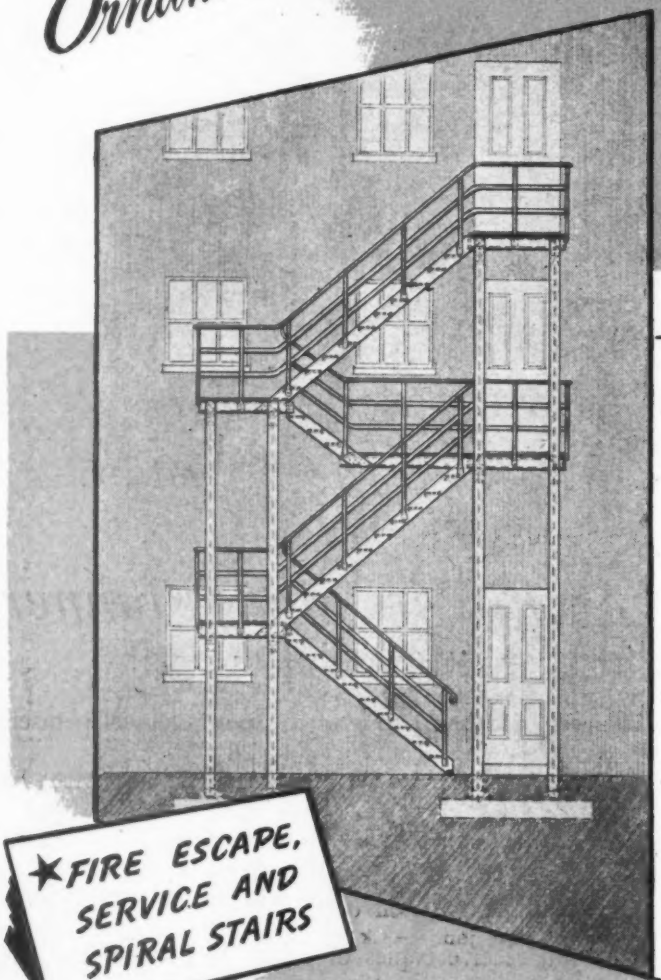
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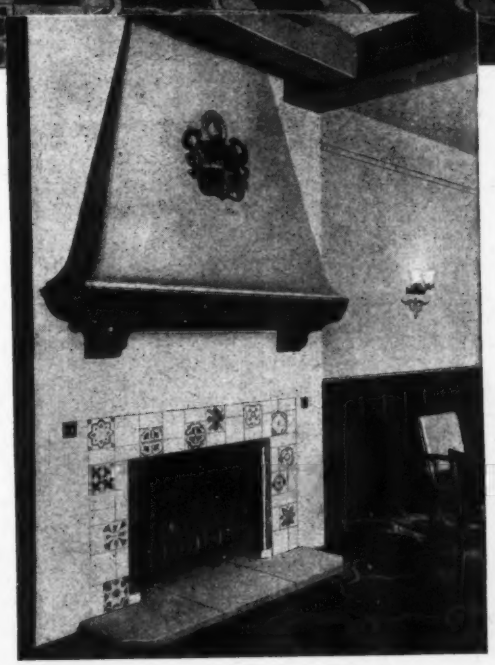
MEM production has already gone ahead by leaps and bounds. Take the 124K splitter, for instance. During the last six months production has increased fivefold. With other lines, too, we are going all out to catch up with the heavy demand both for housing and for industrial purposes. But demand is still greater than supply, so that MEM goods are still hard to come by. To make sure you get a fair share of available supplies, it is still the best plan to keep in touch with your wholesaler.

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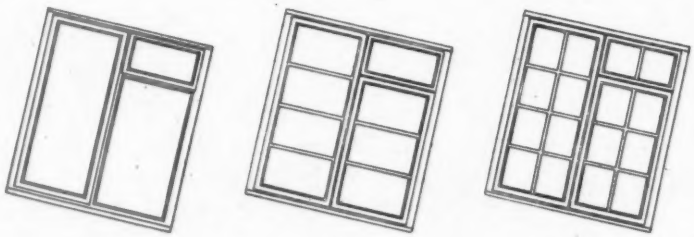
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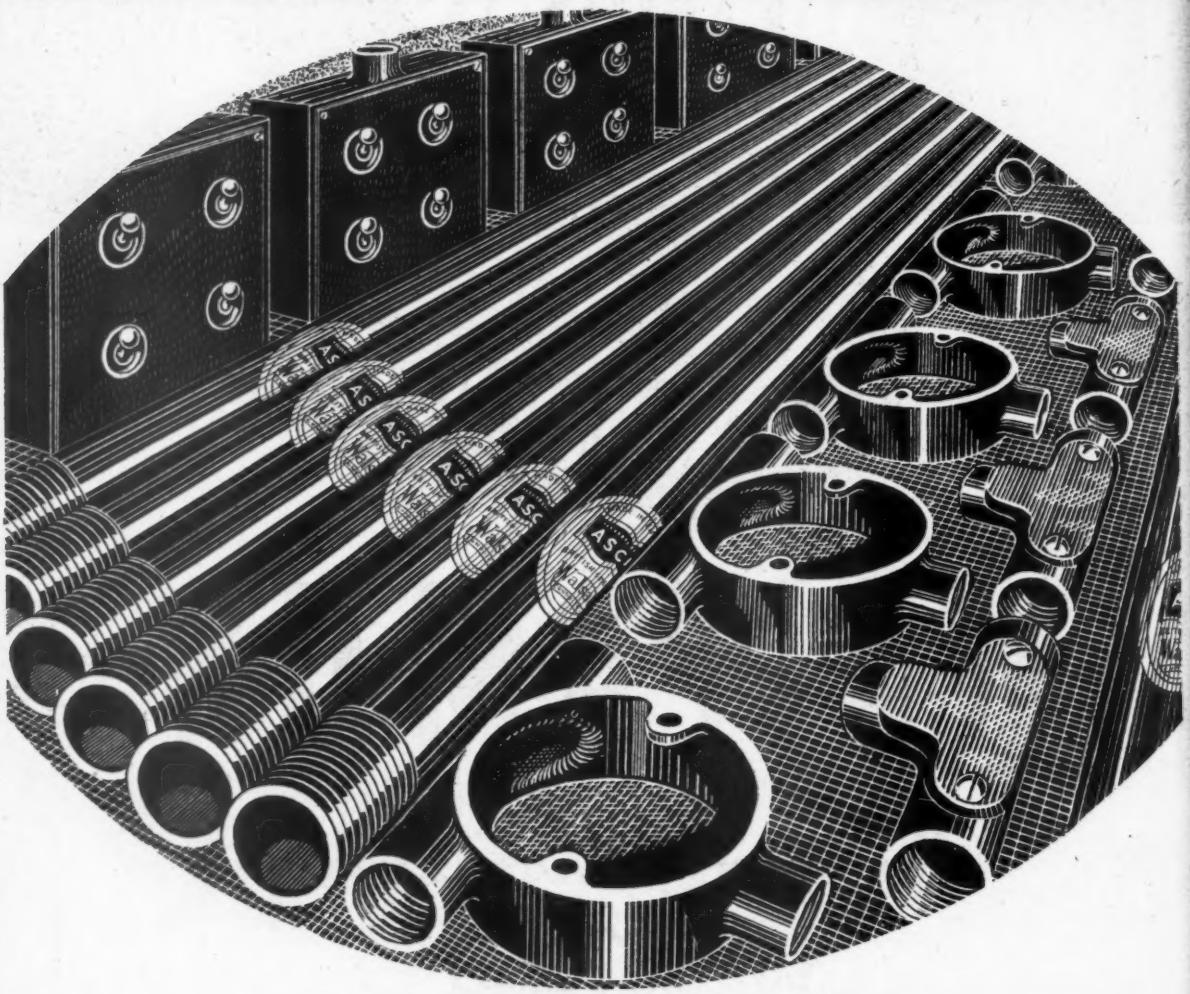
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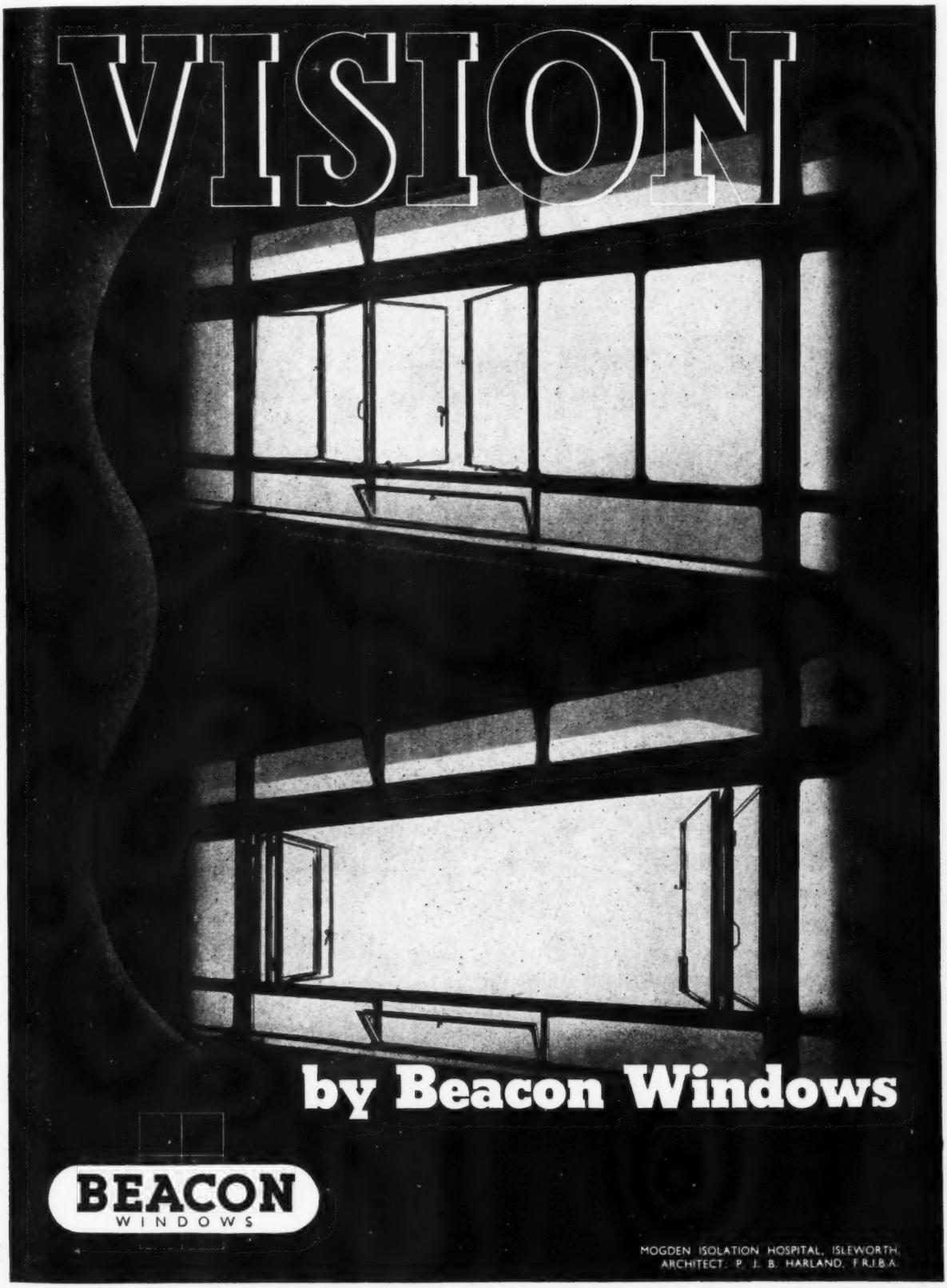
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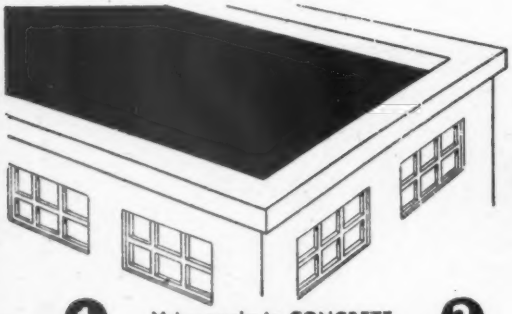


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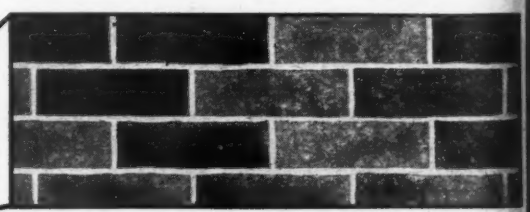
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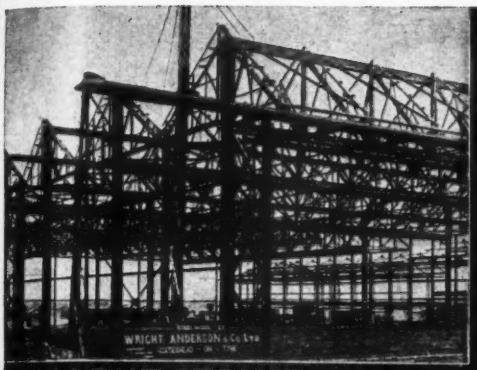
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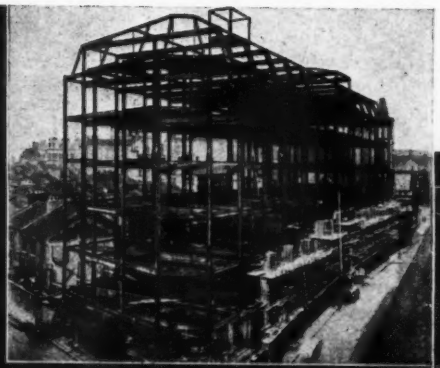
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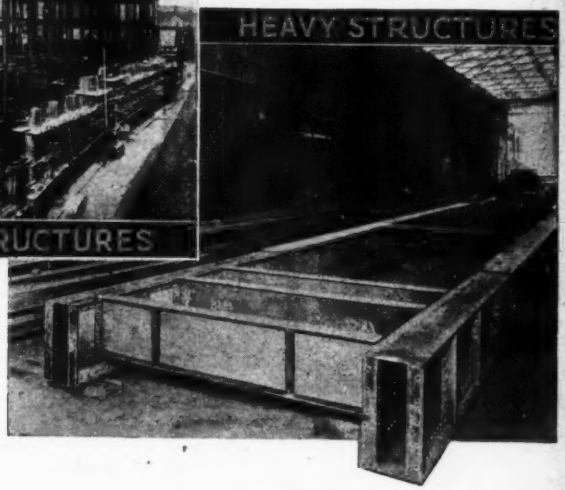
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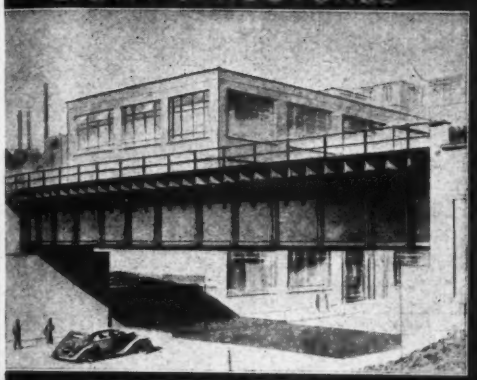


LIGHT STRUCTURES

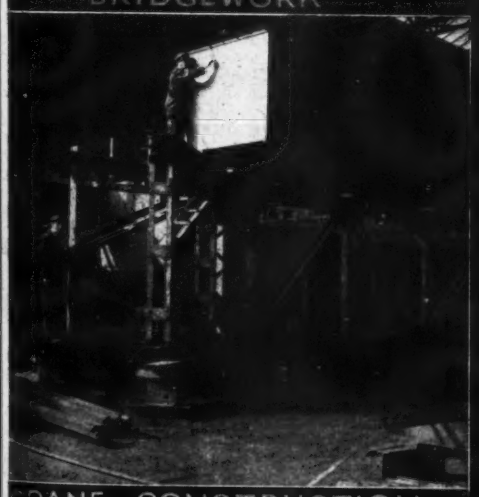


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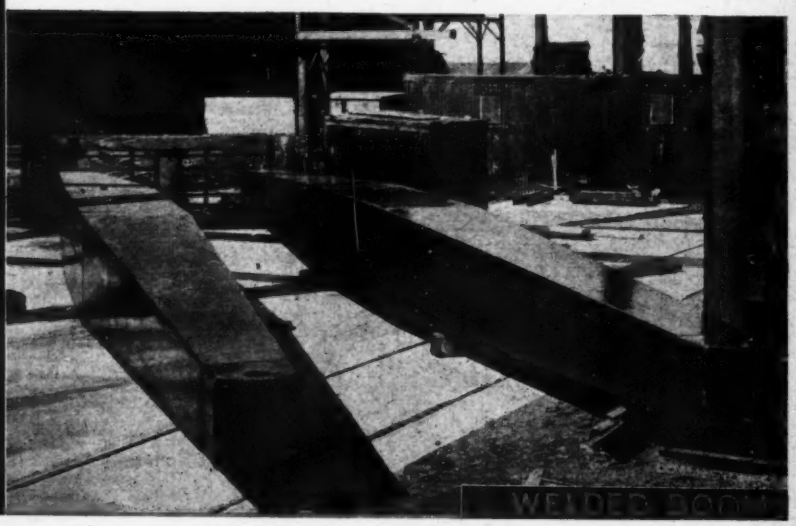
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Military College Chapel, Sandhurst

Ninth Church of Christ Scientist, Westminster

Royal Merchant Navy School Chapel, Bearwood, Berks.

Saint Bride's Church, Fleet Street (Vestry and Chancel: and, later, bomb damage repairs)

Saint George's, Hanover Square, W. (decorations and alterations)

Saint James', Piccadilly, W. (decorations and alterations)

Saint Martha's Church, Merrow, Guildford (Choir Stalls, etc.)

Saint Mary's Church, Clapham Park Road, S.W. (extensions)

Saint Peter's Italian Church, Clerkenwell Road, E.C. (restoration and redecoration)

Saint Saviour's Church for the Deaf and Dumb, Acton

U.S. Memorial Chapel, Brookwood

Waifs and Strays Society, St. Winifred's, Clapham Park

Wesleyan Churches at Clapton, Ealing and Highgate (decorations and alterations)

Westminster Abbey Song School; also Little Cloisters (decorations and alterations)

Young Men's Christian Association Headquarters, Tottenham Court Road

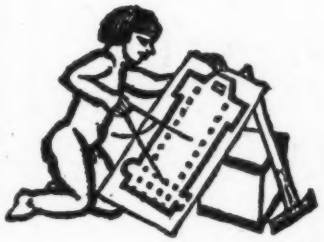
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In common with every other periodical this JOURNAL *is rationed to a small part of its pre-war needs of paper. Thus a balance has to be struck between circulation and number of pages. We regret that unless a reader is a subscriber we cannot guarantee that he will get a copy of the* JOURNAL. *Newsagents now cannot supply the* JOURNAL *except to a "firm order." Subscription rates: by post in the U.K. or abroad, £1 15s. 0d. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 15s. each; carriage 1s. extra. Goods advertised in the* JOURNAL *and made of raw material now in short supply, are not necessarily available for export.*



DIARY FOR MAY JUNE AND JULY

Titles of exhibitions, lectures and papers are printed in italics. In the case of papers and lectures the authors' names come first.

BRIDGWATER. Leslie Hurry. *Designs for Theatre and Ballet.* At the Arts Centre. (Sponsor, the Arts Council.) UNTIL MAY 26

DUBLIN. *British Architects' Conference.* (Sponsor, RIBA.) JUNE 11-14

DUNDEE. J. Hacking. *The Generation and Wholesale Distribution of Electricity.* At the Training College Hall, Park Place, Dundee. (Sponsor, IEE, Scottish Centre.) MAY 23

LONDON. *Steel Door Frames.* Exhibition at Henry Hope and Sons, Ltd., 17, Berners Street, W.1. The object of the exhibition is to overcome any practical difficulties that architects may foresee or experience in fitting steel door frames to the various types of walls and floors in use to-day. (Sponsor, Henry Hope and Sons, Ltd.) MAY

Thirteen Nations Plan for Better Living. At the Institution of Civil Engineers, Great George Street, S.W.1. The material on show was originally collected for an exhibition held in conjunction with the 1946 Congress of the International Federation for Housing and Town Planning at Hastings, and, as now reconstituted, includes material from Australia, Belgium, Denmark, France, Great Britain, Greece, Netherlands, New Zealand, Norway, Poland, Sweden, Switzerland, United States of America. (Sponsors, Town and Country Planning Association, Institution of Civil Engineers, Town Planning Institute, and Instituton of Municipal Engineers.) UNTIL MAY 24

Engineering and Metalcraft Exhibition. At the Horticultural Hall, Westminster, S.W. (Sponsor, British Bulletin of Commerce (Exhibition Department.) UNTIL MAY 23

Institution of Structural Engineers. Annual General Meeting at 11, Upper Belgrave Street, London, S.W.1. (Sponsor, ISE.) 6 p.m. MAY 22

R. Fitzmaurice, Deputy Chief Scientific Adviser, Ministry of Works. *Recent Research in Housing.* At the Housing Centre, 13, Suffolk Street, S.W.1. 12.45 p.m. Buffet lunch, 2s. 6d., 1.15 p.m. Talk and discussion. (Sponsor, HC.) MAY 27

J. F. Eccles, Managing Director, Welwyn Garden City, Ltd. *The Planning of Industrial Areas.* At the Planning Centre, 28, King Street, Covent Garden, W.C.2. Fifth of a series of seven lectures on Planning. Charge for individual lectures, 2s.; students, 1s. (Sponsor, TCPA.) 6 p.m. MAY 27

Announcement of Result of AA Election of Officers and Council for Session 1947-8. At the AA, 34-36, Bedford Square, W.C.1. (Sponsor, AA.) 6 p.m. MAY 28

Planning Town Centres. Sixth of a series of seven lectures on Planning. At the Planning Centre, 28, King Street, Covent Garden, W.C.2. Charge for individual lectures, 2s.; students, 1s. (Sponsor, TCPA.) 6 p.m. JUNE 3

J. R. Kell. *District Heating.* At the RIBA, 66, Portland Place, W.1. (Sponsor, ASB.) 6 p.m. JUNE 4

R. L. Reiss, Vice-Chairman of Executive, Town and Country Planning Association. *A Master Plan for England and Wales.* Last of a series of seven lectures on Planning. At the Planning Centre, 28, King Street, Covent Garden, W.C.2. Admission 2s.; students, 1s. (Sponsor, TCPI.) 6 p.m. JUNE 10

Town Planning Institute General Meeting. At Livingstone Hall, Broadway, Westminster, S.W.1. Address by Lewis Silkin, M.P., Minister of Town and Country Planning. (Sponsor, TPI.) 6 p.m. JUNE 19

Eleventh Public Works Roads and Transport Congress. At Olympia, London. JULY 21 to 25

LUTON. *Danish Domestic Design Exhibition.* At the Public Museum, Wardown Park. (Sponsor, the Arts Council.) UNTIL JUNE 7

SOUTHAMPTON. *Roads Exhibition.* In conjunction with the Southampton Borough Council Road Safety Week. (Sponsor, British Road Federation.) JUNE 16

THE HAGUE. *Fuel Economy Conference.* Particulars from the British National Committee World Power Conference, 201-2, Grand Buildings, Trafalgar Square, London, W.C.2. SEPT. 2-9

TORQUAY. *Town Planning Institute. Twenty-First Annual County Meeting.* (Sponsor, TPI.) MAY 29-31

Royal Sanitary Institute Health Congress. At the Trinity Memorial Hall, Park Street. (Sponsor, RSI.) JUNE 2-7

WIDNES. *Ideas on Design in The Home Exhibition.* (Sponsor, the Arts Council.) UNTIL MAY 31

NEWS

THURSDAY, May 22, 1947
No. 2728 VOL. 105

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Prices 444

Though no feature in the JOURNAL *is without value for someone, there are often good reasons why certain news calls for special emphasis. The* JOURNAL'S *starring system is designed to give this emphasis, but without prejudice to the unstarred items which are often no less important.*

★ *means spare a second for this, it will probably be worth it.*

★★ *means important news, for reasons which may or may not be obvious.*

Any feature marked with more than two stars is very big building news indeed.

★

A Government-sponsored housing scheme at Karaiyur in the Jaffna Peninsula of Ceylon is to be MODELLED ON THE "REILLY GREEN" PRINCIPLE. The scheme comprises 404 houses laid out in groups of 16 built round open spaces inter-connected by roads. Access to the houses from the road is by footpath. The scheme, which is to be completed within the next 18 months, introduces the "Reilly Green," not merely into Ceylon, but into Asia for the first time.

INFORMATION CENTRE INDEX

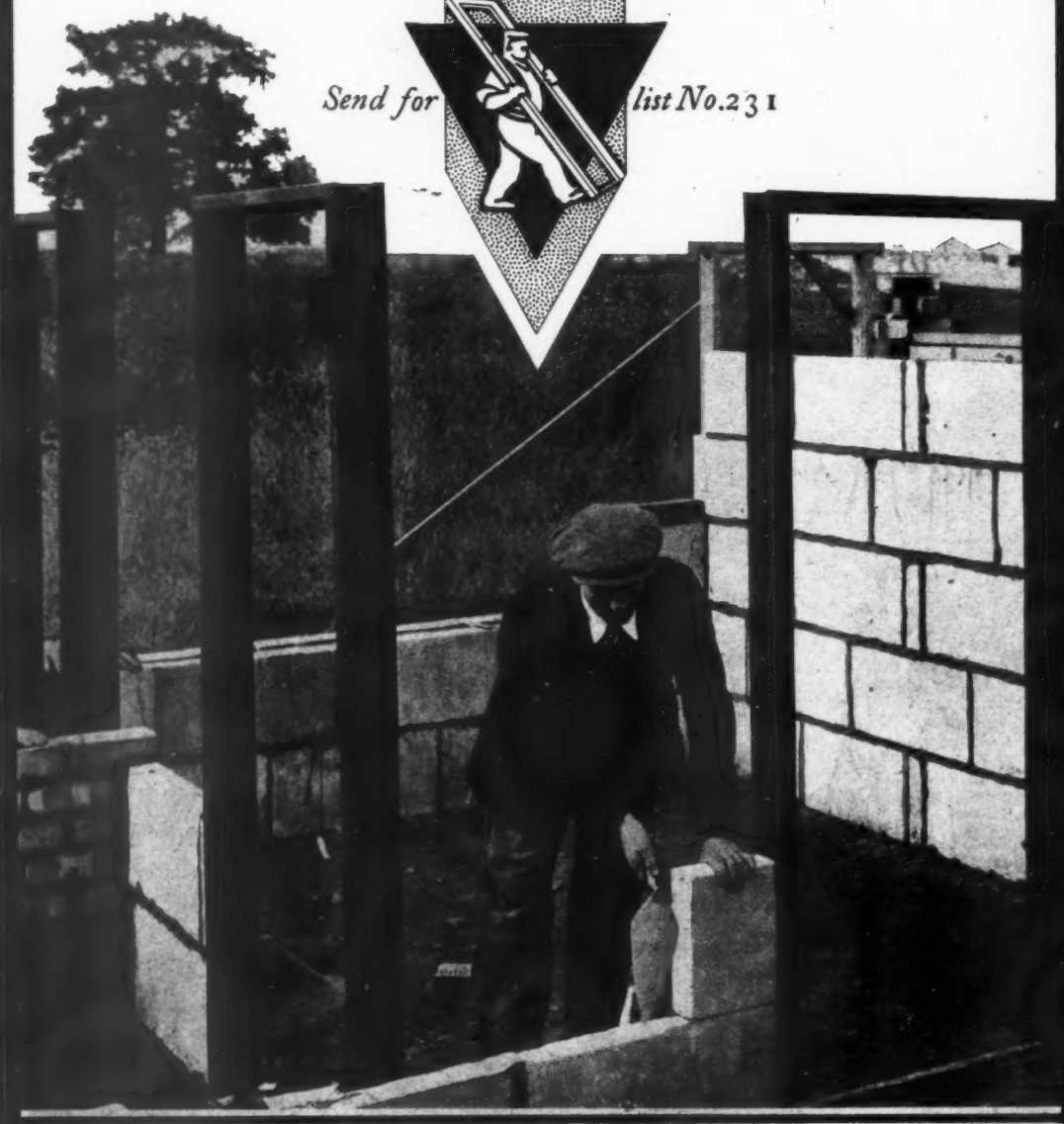
An alphabetical index for the first six months 1947, covering items published from January 2 to June 26, inclusive, is being prepared. Readers who wish to have a copy should notify the Technical Editor, The Architects' Journal not later than June 30.

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THE PLANNER'S DUTY. [*From the report* Reconstruction in the City of London, *by Dr. C. H. Holden and Professor W. G. Holford.*] There is a stage in all planning operations when every move forward is called a leap in the dark, when courage to accept changes is dubbed foolhardiness, and when the planner is left " letting ' I dare not ' wait upon ' I would '." We have interpreted our terms of reference as demanding the formulation of a plan, practicable in all its stages, and eventually creating a renewed environment for the multifarious activities and traditions of the City of London. Rather than leave the plan incomplete, for want of conclusive evidence that each proposal would have the entire agreement of the majority of the constituent trades or bodies of citizens affected by it, we have judged to the best of our ability where the general public interest lies, and have planned accordingly.

★

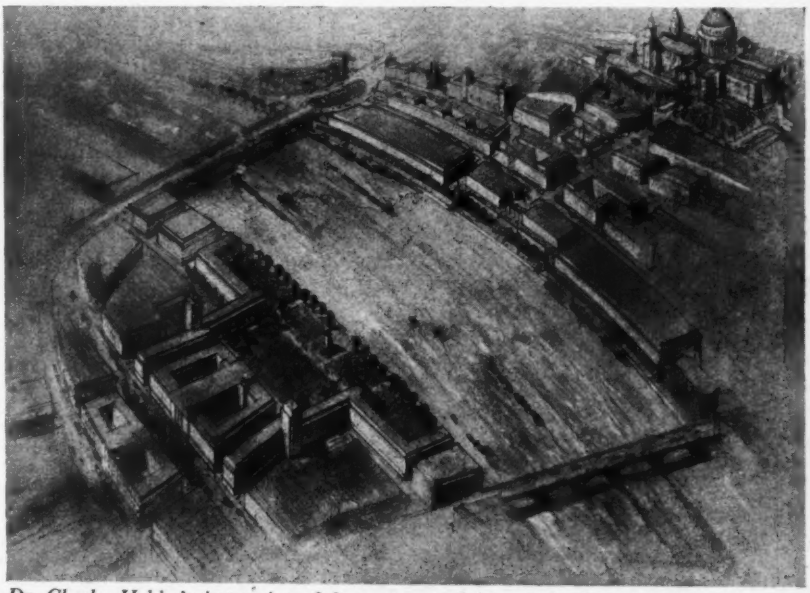
Sir Giles Gilbert Scott on the proposed BANKSIDE POWER STATION: Town planning cannot ignore fundamental practical requirements; function must influence the situation and suggest its own beauty. Paying tribute to the widespread interest aroused by Mr. Silkin's decision to erect a power station on the South Bank, Sir Giles Gilbert Scott in a letter to *The Times* agreed that anxiety was natural enough amongst those not in possession of full details. It was generally believed that any power station, however beautiful, was bound to blight its surroundings and to interfere with good planning. However, the Bankside power station would be unlike any other station in the world. It would emit no smoke or grit; it would have no coal dumps or derricks; its height would be lower than adjoining blocks and could not therefore obstruct the view of St. Paul's; it would have gardens along the river front and fuel tanks would be below ground and turfed over; also the building lent itself to far finer architectural treatment than office blocks. All the objectionable features of a power station had been eradicated. The problem of London's power stations had not received adequate attention among town-planners and consequently constructive suggestions based on technical knowledge of the requirements were lacking.

Town planning could not ignore fundamental practical requirements; function must influence the solution and suggest its own beauty. Practical requirements demand Thames-side stations as near the area of supply as possible. Bankside, Rotherhithe and others are needed, but sites are limited thereby proving a challenge to planners that would be a defeatist attitude not to meet. The problem should be boldly faced and solved within the limits laid down by the requirements. Sir Patrick Abercrombie put this finely in the report accompanying his grand County of London Plan. He said: "The development of the South Bank is the opportunity for the greatest spectacular effect in the new London; there should be no hard symmetry; the sweep of the river and the bridgeheads combined with simple building masses displaying their function through form should produce a beauty fit to match Somerset House and St. Paul's."

★

De La Rue offer 200 guineas in prizes for an EXHIBITION STAND COMPETITION. A competition organized by *Art and Industry* and sponsored by De La Rue Gas Development, Ltd., offers prizes of 100 guineas, 50 guineas, and 25 guineas, for the best designs submitted for an exhibition stand for the display of De La Rue gas appliances. There will be a further special prize of 25 guineas to the author of any design actually used. Assessors, Messrs. A. L. B. Leigh Ashton, Director, Victoria and Albert Museum; L. H. Hardern, Public Relations Officer, Gas Light and Coke Co.; and G. Grey Wornum, F.R.I.B.A. Technical and other details, together with sizes and all relevant measurements, also illustrations, will be supplied to intending competitors on application to the Editor, *Art and Industry*. Closing date of competition, July 30.

The War Damage Commission has issued the following notice concerning WAR DAMAGE payments travelling time in the London Area. The War Damage Commission authorised the publication of a notice dated October 5, 1942, and an amending notice dated August 14, 1944, respecting travelling time payments for building operatives in the London Area. A Revised Travelling Rule dated January, 1947, has been issued by the London Regional Joint Committee, and approved by the National Joint Council in the exercise of its special powers, for application within the London Region. The notices of October, 1942, and August, 1944, are now cancelled and the Commission is prepared (subject to what is said in the following paragraphs) to accept as part of the proper cost travelling expenses and travelling time in accordance with the revised rule. The War Damage Commission takes the view that it is not reasonable that the proper cost of making good war damage should be increased because a claimant wishes to call in a builder from a distance to do the work. Accordingly charges for travelling time and expenses of the workmen employed are normally disallowed unless the importation of labour from a distance was justified because labour was not available locally and the work was urgent. Building labour (other than the contractors' regular employees) will normally be expected to be engaged locally at the local labour office or on the site, and the Commission must reserve the right to question the total payments made under the working rule if it would appear that, in fact, suitable labour was available nearer to the job. The Commission cannot undertake to approve in advance what is the proper cost but it is prepared, if requested, to give advice whether or not it is considered that the circumstances of the particular case would warrant admission of a charge for abnormal travelling time and expenses. In no circumstances will the Commission pay for lodging expenses. London area means the area within which the London Working Rule Agreement applies.

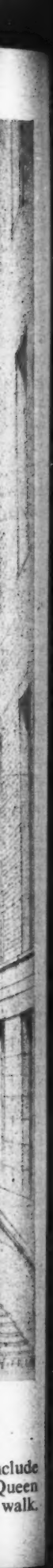


Dr. Charles Holden's impression of the treatment of the south bank of the Thames, between Blackfriars and Southwark bridges. This version was submitted at the public inquiry into the proposal to erect a large new power station on the Bankside site, on which (left) the type of non-industrial buildings envisaged in the redevelopment plan is seen. It shows how Dr. Holden, consultant to the LCC on the south bank development, who, with Professor Holford, prepared a scheme for the opposite bank, took account of the environment of St. Paul's Cathedral in a comprehensive lay-out. The proposal to erect a power station on Bankside was dealt with in our last issue.

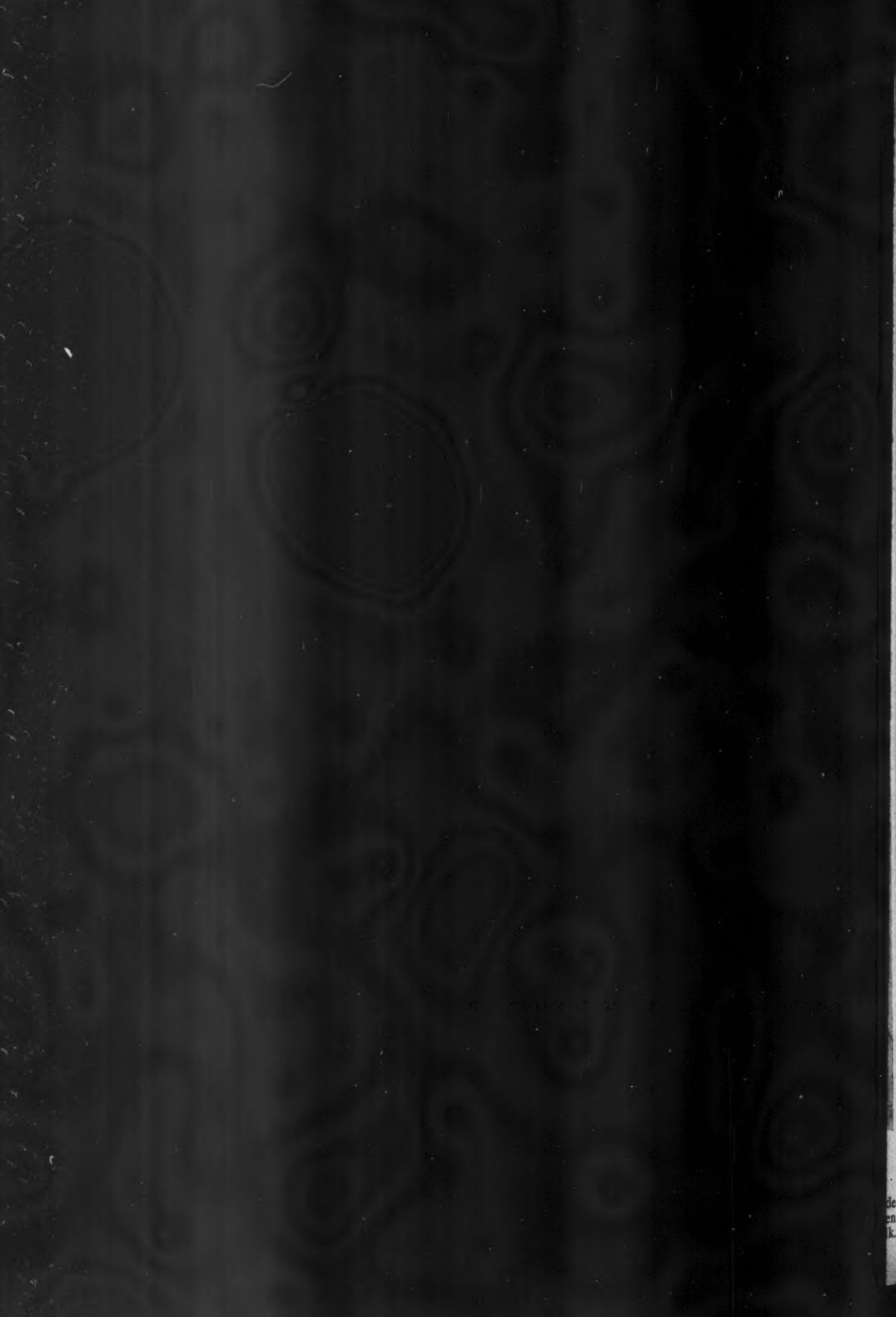


A New View of St. Paul's

To-day the Holden-Holford plan for reconstruction in the City of London is made public. The proposals include the development of a St. Paul's precinct. The drawing shows the view of the Cathedral looking across Queen Victoria Street. The steps to left and right give access to a pedestrian way from St. Paul's to a riverside walk.



nclude
Queen
walk.



Some two thousand acres of BROCKHAMPTON PARK estate, Herefordshire, have been bequeathed to the National Trust by Colonel John Talbot Lutley.

Brockhampton Park estate lies two miles east of Bromyard and 12 miles west of Worcester in beautifully wooded country. On the estate are two principal houses. The larger mansion, Brockhampton Park, standing on high land with distant views to east and south, is an early Georgian house that has been so much modernized that it hardly qualifies as a building of architectural interest and importance. The smaller house, Lower Brockhampton by name, about 1¼ mile from the main road and in a secluded situation, is, on the contrary, a comparatively unspoiled example of a late fourteenth-century moated manor house in half-timber work with a rare detached gate-house dating from some 100 years later. The estate covers typical Herefordshire farmland and the timber of the woods is remarkable for its size and beauty.

The RIBA offers annually for competition between boys and girls in Public and Secondary Schools, prizes totalling £10 10s. in value for the ENCOURAGEMENT OF INTEREST IN ARCHITECTURE.

The competition is not open to those who have left school before the end of the summer term immediately preceding the closing date for entries. (*a*) A prize will be given for the best original essay of not more than 1,000 words illustrated by sketches dealing with a building or group of buildings with which the competitor is personally acquainted. It should be understood that the prize is not given for illustrations, but for an illustrated essay. In any case, no illustration may exceed foolscap size. The essays should indicate personal thought and judgment and should not be guide-book descriptions of a building. The competitors should choose a building they like and should state their reasons for liking it. (*b*) A prize will be awarded for the best sketches or scale drawings of a building or part of a building in pencil, ink or colour. The sketches or scale drawings must be drawn from the original. Copies of photographs or other illustrations are not submissible. If measured drawings of buildings are submitted, they must be accompanied by a statement that the buildings have been measured and drawn by the competitor. The original survey notes made on the site, from which the drawings were made, must also be submitted with the finished drawings. The size of each sheet must not exceed 30 in. by 22 in. The quality of the building will be considered in awarding the prize. The name and position of the building should be stated. The work submitted in competition for these prizes should be sent flat or rolled, not folded, to the Secretary, Royal Institute of British Architects, 66, Portland Place, London, W.1, by the *Headmaster or Headmistress of the competitor's school and not by the competitor.* Drawings and essays must be signed by the competitor and the name and address of his or her school clearly stated, and must be accompanied by a declaration to the effect that the essay and/or drawings are his or her own unaided work. The competitor's age must also be stated. The jury of assessors of the competition are H. T. Cadbury Brown, A.R.I.B.A., Hugh Casson, A.R.I.B.A., and E. R. Jarrett, A.R.I.B.A. For the competition in 1947 all work must be sent so as to reach the Secretary, RIBA, 66, Portland Place, W.1, by October 7.

NEW CITY

A LITTLE over twelve months ago the curtains hiding the activities of the Planning Consultants to the City were cautiously opened to afford an opportunity to the Court of Common Council of seeing how the job was going. The Interim Report was reviewed in the A. J. for July 18, 1946. In this issue we present the main features of the Final Report. Since the publication of the Interim Report the planning climate has changed, and might be described as stormy. First, there is the new Town and Country Planning Bill now piling up amendments in the House of Commons. The responsibilities of the City under the Bill with regard to the execution and direction of the plan would undergo great changes, the LCC taking over the control. Then there are the sad experiences suffered by so many planning schemes, which the Bankside power station situation typifies.

The Court of Common Council should lose no time in putting the administrative machine in motion so that the programme foreshadowed by the consultants can be maintained. The probable change in the City's powers may tempt the timid to delay so that responsibility may rest on other shoulders. This would be a cardinal error. In the past the City authorities have not distinguished themselves as adventurous advocates of planning. Now they have the opportunity to put into effect the new plan of which they, and indeed, all Londoners may be proud.

To turn to the proposals themselves, Dr. Holden and Professor Holford had no light task. So rich in tradition and monuments is the Square Mile, and so urgent the need for providing for the requirements of an almost entirely non-resident population in respect of transport and accommodation, that to preserve one without doing violence to the other may seem well-nigh impossible. How successful the planners have been can be seen in the following pages.

The consultants have succeeded with great skill in solving the urgent traffic problems while preserving the character of the City and all its monuments. In addition to the road proposals, the consultants have made two important contributions to town-planning practice. We refer to the recommendations in the distribution of floor space throughout the City by a kind of density-control, and the conception of the *Standard Plot Ratio*, and to the suggested new day-lighting code. These proposals are clearly derived from the planners' concern for the comfort and well-being of the workers in the City and not from any formal planning pre-conceptions.

A framework has been provided within which as long as Megalopolis exists the commercial centre of the Empire will be able to function with the minimum of confusion and misery. The final success of the work of Holden and Holford will depend upon the individual architects and developers who will be responsible for the shape of the buildings which, we hope, will make the City a place of beauty as well as convenience.

The City Corporation has been well served by its consultants, and has a great opportunity. It would be a fine gesture, if just before abdicating its planning powers the first steps to make the Holden-Holford Plan a reality, were taken.



The Architects' Journal

9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1

Phone: Whitehall 0611

NOTES & TOPICS

THE FRENCH HAVE A CHART FOR IT

The chart reproduced on this page from a recent copy of *le Figaro* was prepared by a French architect to illustrate the administrative formalities of French reconstruction. "Il y a des choses," he writes simply, "que l'on ne saurait exprimer avec des mots." The chart works in both directions—as in snakes and ladders—with the additional hazard that your opponent (the authorities) may, as in England, insert an extra snake at any point he chooses during the progress of the game. Patience and cunning are the qualities demanded of the players and "intérêt sportif" is guaranteed.

*

Those who tire may have a shot at another French pastime—interpreting the symbolism of the figure depicted upon the new 100 franc note. The French have had fifty years of lilac-coloured chitons, classical profiles, sandals, chaplets and sheaves of corn, but they cannot, apparently, make Greek-nosed head or toga'ed tail out of this one.

*

"Is the reclining woman," asks a correspondent to *le Figaro*, "the French Merchant Marine or the Spirit of Economics? Are the children frolicing at her feet angels, or merely symbols of the cut in textile coupons? Is the man a striker or merely a suspended docker?" The marble brows give no sign. The huge eyes are placid and unanswering. The curling upper lips simper but are silent. A slight disorder in the toga's hem is the only sign that Inspector Tarr—currency investigator for Scotland Yard—has passed that way.

PUBLICATIONS RECEIVED

Here are a few scented puffs from the bouillabaisse which has been simmering in my "In" tray for the past few weeks. From the Incorporated Church Building Society comes *Common Sense Church Planning*, by H. S. Goodhart-Rendel (1s. net), an admirable pamphlet containing practical advice on such subjects as seating, circulation, and placing of choir, sanctuary and organ, all served up with the author's customary wit and scholarship.

*

Brighton and Hove Regency Society celebrates its post-war reappearance with a comprehensive and illustrated schedule (1s. net) of the architectural treasures over which it keeps guard, while *Plan* (Arch. S.A. Journal) records the International Student Congress at Prague, compares the architectural training systems of Norway, Denmark, America and France, and quotes Astragal quoting *Plan*.

*

From the Central Housing Advisory Committee comes a *Report of Standards of Fitness for Habitation;* from Birmingham Corporation a copy of *Your Business*, a news sheet covering such items as district heating and dripping taps; and from Maude K. Riley seven issues of *Art Outlook*. *Smudges*, the Australian architectural students' magazine, reports apathy among its readers, and the University of New Zealand School of Architecture prospectus carries its tale of reconversion troubles. "The third-year studio," writes the editor desperately, "is piled high with furniture, and the whole place is extremely unsettled."

*

From the MOH., comes *Reconditioning in Rural Areas* (HMSO, 9d.), the Report of the Rural Housing Sub-committee. Among its recommendations are the resumption of grants up to £300 maximum for reconditioning, the wider use of small building firms, and the preparation of a housing survey to establish the need (numbers of houses suggested as needing treatment is perhaps 100,000). Individual houses or groups of houses which are of architectural merit or interest should, in the view of the Committee, be treated as special cases, and grants only be payable if repairs are carried out under the supervision of architects particularly experienced in this sort of work. It is suggested that a list of such experts be drawn up to guide local authorities and that the grant might be increased if necessary to cover their fees. Mrs. Aneurin Bevan, a member of the Committee, signs a minority report.

ASTRAGAL

EN COURANT?

Le jeu de la Reconstruction

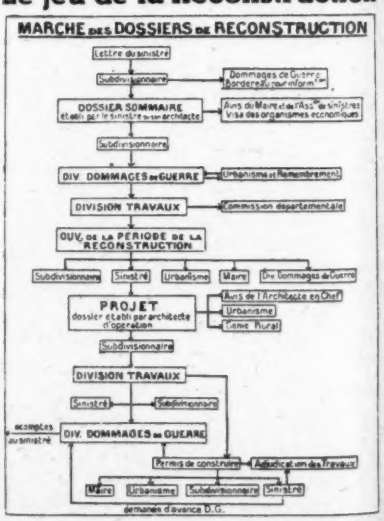


Chart of the organisation of the French Ministry of Reconstruction. See Astragal's note on this page.



RECONSTRUCTION IN THE CITY OF LONDON

The Final Report on Reconstruction in the City of London presented to the Improvements and Town Planning Committee by the joint planning consultants, Dr. C. H. Holden and Professor W. G. Holford in April, is made public to-day prior to coming before the City's Court of Common Council. An Interim Report by the consultants was approved in principle by the Court of Common Council on July 17, 1946, as a workable basis on which to proceed to a subsequent and more precise report and to the preparation of detailed proposals for redevelopment. The Interim Report was presented in the *Architects' Journal* for July 18, 1946. The Final Report is summarised and illustrated, and all the more important conclusions and recommendations of the consultants are presented, in this special number of the Journal. It will be remembered that an earlier plan for the City was prepared in 1944 by the City Engineer, certain aspects of which failed to secure the approval of the Minister of Town and Country Planning, who recommended the appointment of planning consultants to advise the Corporation. The appointment of Dr. Holden and Professor Holford as consultants followed.

THE REPORT SUMMARISED

1 An inventory of accommodation in the City in 1939 has been completed and the distribution of floor space, before and after war damage, is described. It is pointed out that if all owners had redeveloped to the maximum volume permissible, congestion would have been intolerable by now; and this suggests that means of maintaining an equitable distribution in future should be adopted.

2 The inventory of accommodation is then referred to again and proposals are made for the institution of a density control based on a normal capacity of floor space five times as great as the plot on which building is to take place. This is referred to as the Standard Plot Ratio, and the way in which this control would operate, the relaxations from the standard ratio, and the effects of the control on the distribution of future floor space in the City are described. The present total of floor space is approximately 59 million square feet, and it is estimated that the future figure will not be much greater than 82 million square feet, although it was over 85 million square feet before the war. This reduction of 6·7 per cent. corresponds to an anticipated population figure after redevelopment of about 470,000.

3 The place of the City in its regional and national background is assessed, and present relations with the London County Council are considered.

4 A forecast is made of the stages by which the proposals are likely to be carried out, if adopted; the Commencement Date (for engineering operations) is suggested as June, 1948, and the Building Date as April, 1949.
An estimate is made of the time required after that—starting with a building labour force of 550 and increasing it to 5,000 by 1965—to carry out a rebuilding programme on a number of sites simultaneously during the next 30 years.

5 The estimates of progress lead to the conclusion that a long-term plan of redevelopment is required, and that as a stage towards its realisation a definite ten-year programme should be drawn up as a basis for action under the powers of the Planning Acts.

6 Existing Clauses governing the Height and Coverage of buildings are recommended for review,

and their effect on the form and daylighting of buildings is described. A revised table of heights and angles of set-back is put forward, and it is suggested that a new code of daylighting should be voluntarily adopted for new first-class office property.

7 Streets in the City, from sub-arterial to local, are classified according to function and proposals are made for grade-separations, new junctions, the elimination of right-hand turns, and an increase of one-way streets.
New routes are proposed ; in particular an upper and lower level road from Gray's Inn Road to Liverpool Street, with a later extension to Middlesex Street, a widening of Thames Street throughout with part of it terraced, a new inner ring, or distributive street, from Ludgate Circus to London Wall with an extension to Aldgate and Tower Hill ; and a street linking Gresham Street and Cannon Street and passing *under* Cheapside.

8 The use of the railway bridge at Blackfriars for a new road bridge is recommended for consideration when the Holborn railway viaduct is removed.

9 Proposals are made for continuous traffic flow, including the prohibition of parking on all main streets, provision of public car parks for 4,500 vehicles, with a like number in private or commercial garages, a wider distribution of bus routes, the enforcement of loading facilities within the curtilages of properties, and the occasional arcading of pavements.

10 Interim proposals are made for improving the approaches to Liverpool Street and Broad Street Stations.

11 The widening of pavements and linking up of pedestrian thoroughfares is recommended.

12 The advantages of the proposed District Heating Scheme are referred to.

13 The whole City is proposed as one "use-zone" for offices and business premises, without sub-division as regards height or character of buildings ; but secondary uses such as shops, public buildings, light industry and storage warehouses are recommended to be controlled within each section with special regard to detailed location and access.
Areas of special control over advertisements and architectural appearance are suggested.

14 Proposals are made for precincts, for more lunch places, for improved conditions for the residential population, and for schools.

15 An outline plan for the Guildhall precinct is suggested, and a site for a new public building—possibly the Mansion House—on the west side of Aldermanbury.

16 The City Livery Companies' Halls are referred to and the suggestion made that they be left for the most part undisturbed : and the functions of the Companies as landlords are also discussed.

17 The precinct of St. Paul's Cathedral is recommended to be widened to the dimensions envisaged by Sir Christopher Wren. Proposals are made for ceremonial approaches by way of Ludgate Hill, and from the River ; the bus route is transferred to a street emerging from the south-east corner of a much enlarged Ludgate Circus, and passing along Carter Lane ; and detailed recommendations are made for the treatment of the Churchyard on its enlargement.
A suggestion for the form of a national monument on an open space to the south-east of the Cathedral is made.

18 The City Churches are recommended for preservation, with the exception of those proposed by the Bishop of London's Committee for conversion into Church Institutes or for the sale of sites already cleared. The special case of St. James, Garlickhythe is discussed, and the suggestion made that an expert investigation should establish whether it is feasible to move it bodily to a prepared site 60 feet north of its present one, and away from the widened Thames Street.

19 Procedure on receipt of this Report and Plan is outlined in the light of the passage of the Town and Country Planning Bill through Parliament, and of the proposed transfer of powers. Reasons are given why a detailed plan for the City should be pressed forward, in spite of inevitable delays in decisions which will affect major features in the plans for Greater London, such as the main roads and railways. The adoption of a Declaratory Area for submission to the Minister under the powers of the Act of 1944 is recommended, with a view to its forming the first step in the "designation" of land liable to compulsory purchase, and to be shown eventually on the Development Plan which will be called for if and when the present Bill becomes law.

20 The Declaratory Area proposed is that comprising the areas of extensive war damage and the land required for essential improvements during the next fifteen years. It amounts to 270 acres gross, 190 acres excluding streets, and something less than 160 acres when statutory undertakers' and other land not required for purchase is deducted. Small additional areas of building land, amounting to 22 acres in all, are suggested for the completion of irregular boundaries and the recovery of betterment.

21 The Corporation is advised to set up a special Department to deal with the execution of planning proposals, with the estate management involved, with architectural control, and with statutory procedure.
"Redevelopment in conformity with the plan" is defined.
Discussions with the Minister of Town and Country Planning, on certain points of interpretation and procedure, are recommended.

22 In addition to new streets, proposals are made for widening or aligning existing streets and important new traffic places are recommended at Ludgate Circus, Holborn Circus, north east of St. Paul's Churchyard, the Aldersgate-Barbican crossing, the crossing of Cannon Street and Queen Victoria Street, Southwark Bridgehead, the Bank, the crossing of London Wall and Moorgate, and London Bridge-head—the latter being capable of achievement in two main stages.

23 The units of redevelopment are discussed, and recommendations made on optimum size, and grouping under a comprehensive outline form. Different ways of developing an average City block of about 2 acres are illustrated.

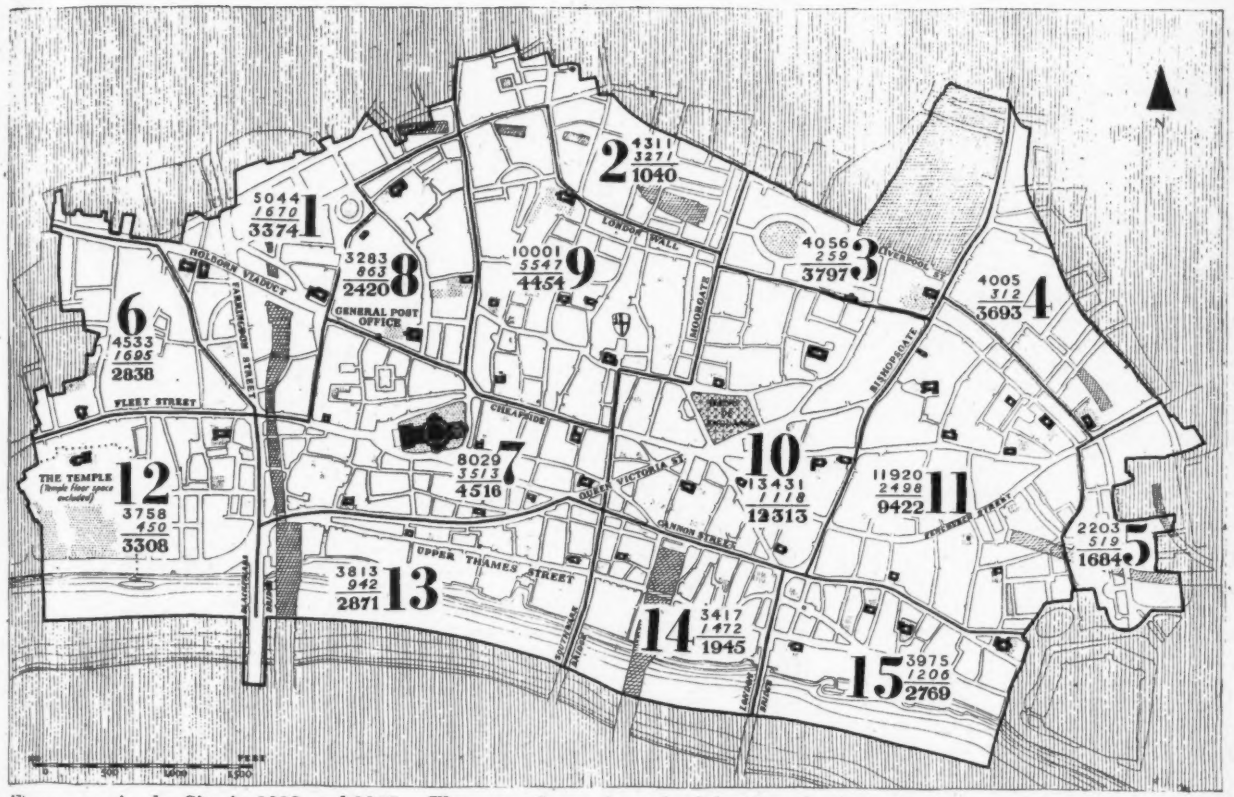
THE REPORT

In the following pages will be found details of the more important conclusions and recommendations made in their final Report by the planning consultants. The text is adapted from the wording of the report itself. The numbers in the summary on this and the preceding page and the sections below correspond.

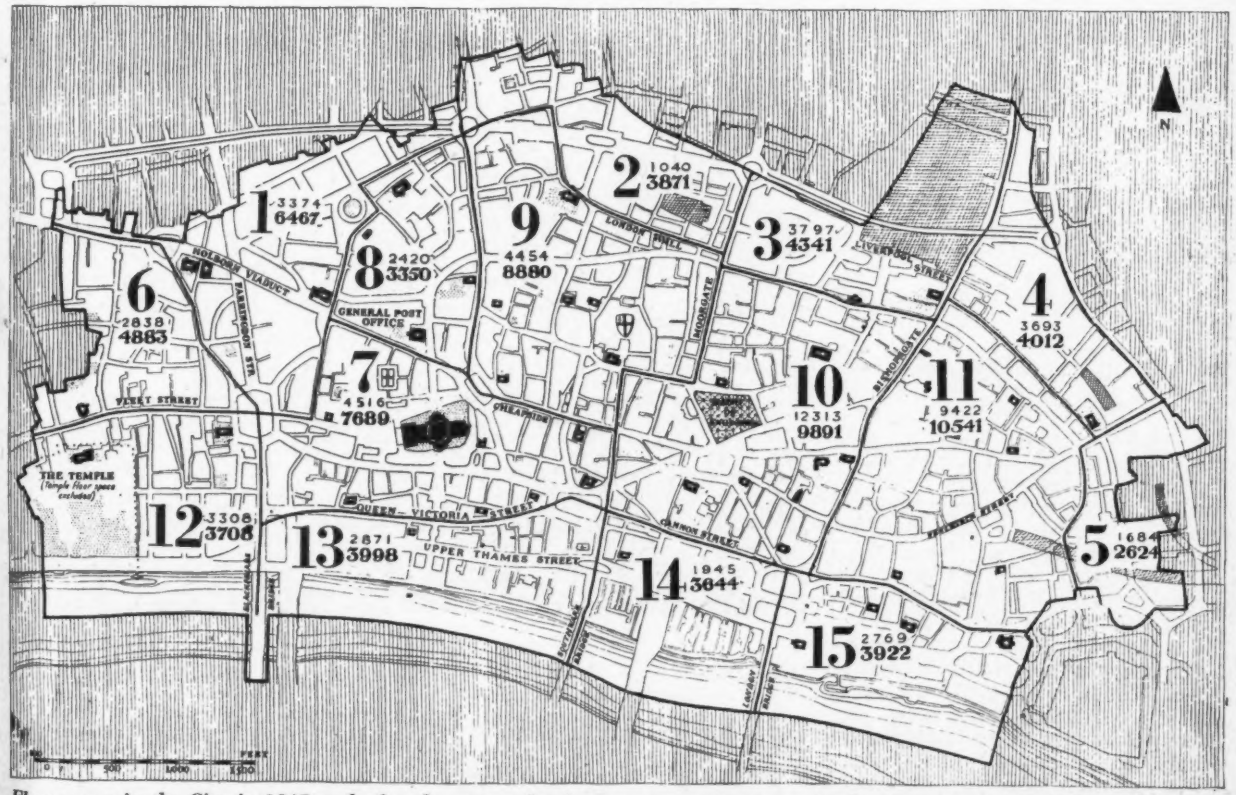
I *inventory of accommodation.*

A survey was made of the floor space in and immediately adjacent to the City in 1939. Commercial and industrial uses were distinguished from the special uses obtaining in other buildings. This provided information on the accommodation lost since 1939 and gave a measure of the replacement needed which had to be considered with the question of improved standards and changing demands. The pre-war floor space was calculated by dividing the whole area of the City into *street blocks,* these being groups of buildings surrounded by uncovered

FLOOR SPACE IN THE CITY



Floor space in the City in 1939 *and* 1947. *The upper figures in each of the* 15 *areas shows the floor space in* 1939, *the middle figures show the loss by enemy action, and the bottom figures the area in* 1947. *All these areas are in thousands of square feet.*



Floor space in the City in 1947 *and after the proposed redevelopment. The upper figures show the area in* 1947 *and the lower figures the area available after development in conformity with the Report. The areas in each case are in thousands of square feet.*

D

streets containing carriage ways. The street blocks were measured in three ways: (i) *Built-on Area*, land area within the street block that is covered by structures at ground floor level. (ii) *Block Area*, measured by following round the external building line of the street block. (iii) *Gross Area* is the block area, plus half the width of all surrounding streets. Two useful indices were obtained from these calculations. (*a*) The *net ratio* of floor space obtained by dividing the total floor area by the built-on area, and (*b*) the *floor space index*, obtained by dividing the total floor space by the gross area. The average street block has a gross area of 2.1 acres and a built-on area of 1.2 acres. About 37 per cent. of the general floor space has been destroyed in the boundary sections and 31 per cent. in the inner sections.

2 *plot ratio and floor space requirements.*

The consultants recommend that for the standard office block a maximum ratio of 5 to 1 should be established between the amount of floor space in a particular building or group of buildings and the area of the plot which the building owner is developing. Relaxations enabling a ratio of up to 6 to 1 to be used are suggested for certain types of occupancy. The diagrams on p. 427 show the total floor space in each section of the City in 1939, in 1947, and the figures likely to be realized when all existing commercial plots have been developed, if the trends suggested in the report and the recommended density control both came to pass. The total floor space in the City was 85¾ million sq. ft. in 1939 and is now reduced by approximately a third to 59 million. It is not anticipated that a future figure greater than 82 million will be reached. The target day-population figure for the City is set at about 470,000, and this represents a reduction of 6 per cent. on what was estimated as the peak figure before the war.

3 *the regional background.*

In dealing with through roads, housing, density of development, and building height and coverage, the effect of the recommendations on plans for the neighbouring boroughs and for the county as a whole has been considered. The proposals, particularly those for the first ten-year period, are improvements which would be called for to benefit the City itself in any case. The consultants strove to avoid anything that would be contradictory either to the intention or the physical execution of proposals by the county. In the long-term plan of re-development desirable objectives are suggested that may be reached in more ways than one. A detailed programme has been made for immediate action, covering a



THE CITY TO-DAY FROM



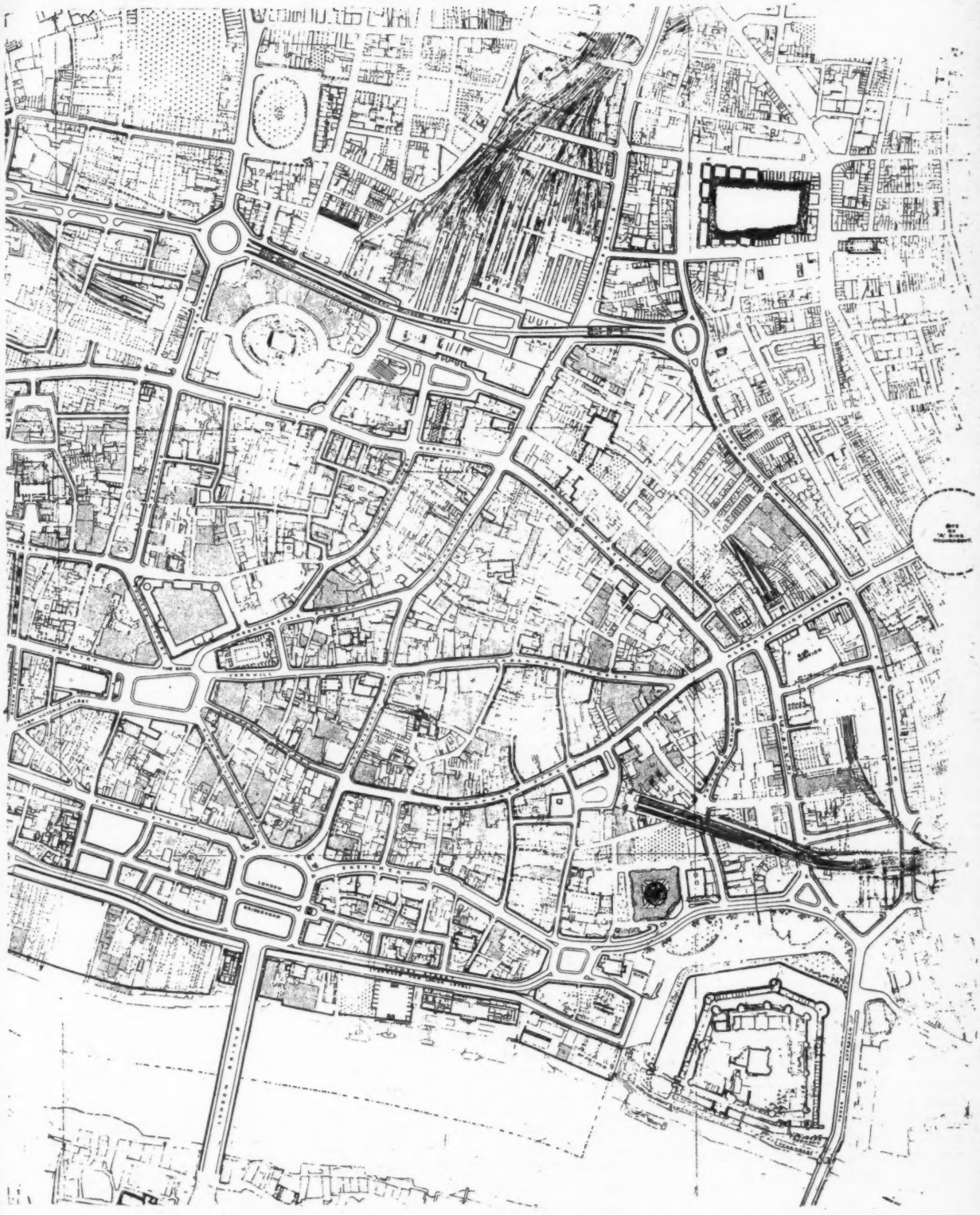
THE AIR

An aerial photograph showing the City as it is to-day. The existing street and block patterns are revealed with the wide areas of destruction. Inset on right is one of the three plans proposed by Evelyn for rebuilding the city after the great fire of 1666.



The reconstruction of the City is submitted as a thirty-year programme by the joint consultants. The plan above shows the road, rail and building block improvements envisaged during this period. The treatment of the islands enclosed by traffic roundabouts is not shown in detail on the plan, but is referred to in the report. The islands are not intended as normal building sites. Some are proposed as open spaces at ground or lower level, others in addition may be used for car parking. The planting design for trees, grass, shrubs, etc.,

THIRTY YEAR PLAN FOR



for the open spaces is not shown on the plan. Besides the long-term plan, which raises issues extending beyond the limits of the City itself and combines more distant objectives with the outline that seems to be emerging for the County and for Greater London, the report makes proposals for a short-term ten-year period. Among the major long-term proposals omitted for the ten-year term, are the provision of a deep level railway system, the remodelling of Liverpool Street and Broad Street stations, the circulatory traffic system at the Bank, at Holborn Circus, and at London Bridgehead, the redevelopment of the whole waterfront, and the reconstruction of the City churches and public buildings. The drawing on the facing page shows the new under-pass from the New Square to Gresham Street passing beneath Cheapside.

THE RECONSTRUCTION OF THE CITY OF LONDON

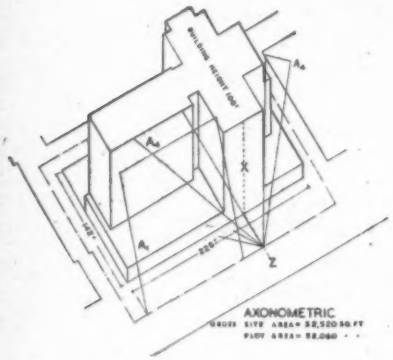
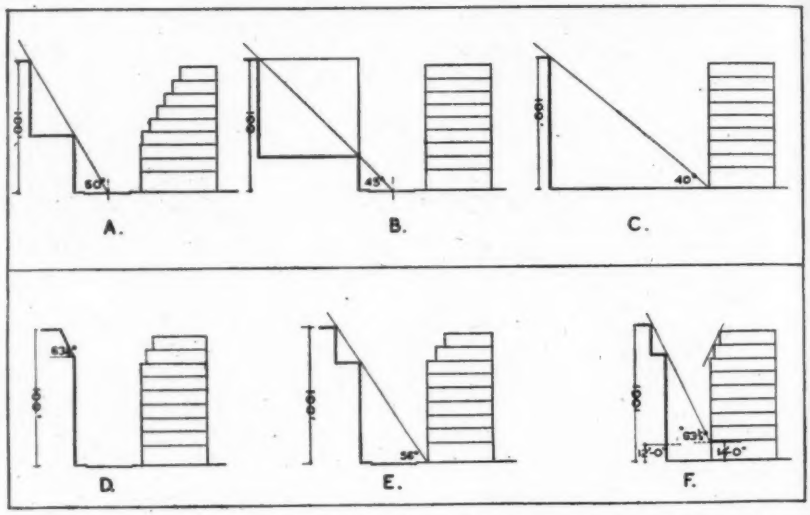


Diagram illustrating the proposed daylighting code. The method of testing for satisfactory daylight standards is shown. The building shown complies with the code.



This diagram shows by means of sections through buildings, the daylighting code and the six conditions of daylight access applicable to the diagrams below.

commercial "neighbourhood" that is in certain respects self-contained; and this has been evolved from a long-term plan that combines its own more distant objectives with the outline that seems to be emerging for the County and for Greater London.

4 *stages of re-development.*

With the exception of temporary buildings, war damage repair, housing and certain public utilities, the earliest tentative Building Date for normal commercial buildings is established as April, 1949. It is assumed that little labour will be available for permanent commercial building at the outset, but that it may be expected to rise to 5,000 men at the peak, which would be reached in 1965. The fact emerges that, in the first five years from 1949-1953, 28 million cubic feet of building could be completed by a building labour force rising from 550 men at the Building Date, to 3,000 men at the end of this first period. On the assumption that the labour force for war-damaged and normal replacement combined climbs to 5,000 by 1965 and that the optimum area and distribution of building sites is made available at any given time, the reconstruction proposals as a whole would be realisable by 1935. Thereafter the normal pace of redevelopment would be resumed.

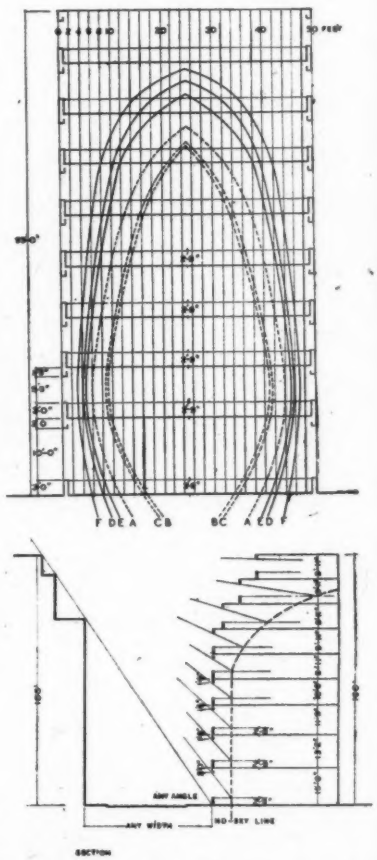
5 *short-term and long-term plan.*

The amount of new construction that could reasonably be put in hand within 10 years of the Commencement Date in each of a number of areas in the City, would be sufficient to justify the street improvements proposed in the short-term programme. Definite proposals are made covering those projects which should be included in the first stage of a comprehensive short-term plan of reconstruction. It is clear that no date can be put down forthwith for the completion of the long-term proposals, such as the provision of a deep-level railway system, the remodelling of Liverpool Street and Broad Street Stations, the circulatory traffic system at the Bank, at Holborn Circus and at London Bridgehead, the redevelopment of the whole waterfront, and the reconstruction of the City Churches and public buildings. A thirty-year development plan is presented, in which possible and desirable changes in the fabric of the City are shown, but which is liable to amendment in point of time and detail as circumstances dictate; and a ten-year scheme which sets out a clear and comprehensive stage in that development.

6 *building forms and daylighting.*

A revision of the City's Draft Clauses on Height and Site Coverage is suggested. The effect of this would be to treat the whole City as one zone for this purpose, the sheer height on all frontages being one and a half times the width of the street, and the angle of setback one of 56° measured at ground level from the opposite building frontage; the ground floor coverage of shops, offices and business premises on plots over a quarter of an acre in area being reduced from 100 per cent. to 90 per cent.; and the maximum overall height (subject, of course, to waiver under the London Building Act) being raised to 120 ft. over a certain proportion of the ground plan of the larger building sites, except in areas of special architectural control such as the vicinity of St. Paul's Cathedral.

A daylight code is proposed laying



The upper diagram shows the effect of six conditions on the no-sky lines. A, *proposed code set-back 60 deg. from centre of street.* B, *proposed code, optimum combination of light.* C, *proposed code, normal requirements for internal courts.* D, *conditions under London Building Act.* E, *normal LCC requirements.* F, *internal courtyard permitted under existing draft clauses. The lower diagram indicates how uniform lighting of lower stories can be maintained by varying floor heights.*

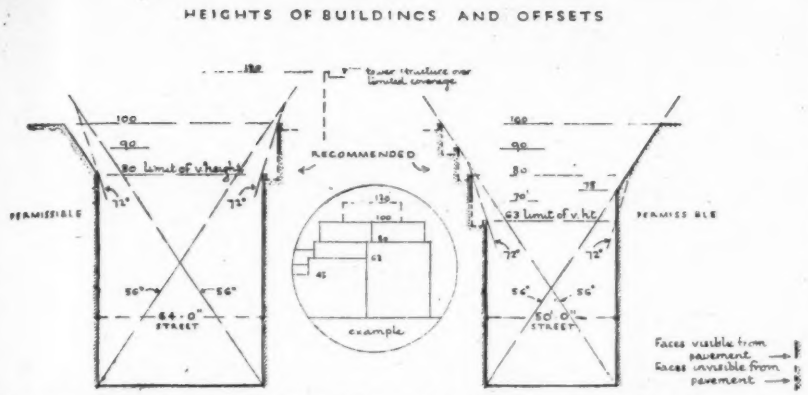


Diagram illustrating the recommendations of the Report with regard to the control of the heights of buildings and set-backs. The portions of the offset walls visible from the pavement are indicated.

down a general *Daylight Factor*. A Daylight Factor of 1 per cent. means that at the point of measurement the illumination obtained is 1 per cent. of that which would have been obtained if from that point the whole hemisphere of the sky could be seen. The standard recommended for offices, which the proposed code is designed to achieve, is a Daylight Factor of 1 per cent. at a distance of 12 ft. from the outer face of window wall and at a height of 2 ft. 9 in. above the floor.

The proportion of well lighted floor space in a building is almost wholly determined by five factors:— (1) obstruction outside the windows (with which the code deals); (2) overall width of building block, *i.e.*, from window wall to window wall; (3) height of the various floors above ground level; (4) floor to floor height; and (5) size and placing of windows.

The relative importance of these various factors can be judged with tolerable accuracy by plotting the *No-sky-line* resulting under various conditions which already exist in City buildings or would exist under the code. The No-sky-line is the diagonal plane, running from window head to floor in most rooms, behind which no portion of the sky can be seen. The depth of penetration of the No-sky-line into a room is a good guide to daylight conditions in it.

The main difference between the new code and existing height and set-back regulations may, therefore, be summed up in this way: the code recognises that it is not the amount of accommodation on a given area that controls the daylight reaching windows so much as the arrangement of the accommodation. In other words, the larger the area over which the block form and layout of buildings is determined in accordance with a single design, the more the accommodation that can be obtained without any lowering of daylight standards. Where, therefore, redevelopment takes place in small, independently designed units, the code will be at its most rigid and the test usually applied will be the 60° set-back. The great variety of arrangements possible under the code within the average City street block of 2 acres is shown in the series of diagrams on page 443. It may be noted that the layouts shown not only comply with the code but are superior as regards vehicular access and provision of quiet working conditions to the vast majority of existing City buildings.

7 *classification of streets and new routes.*

The main broad principles on which the road proposals are based are as follows; they pay due regard to the railway proposals, which in turn may be influenced by them.

(i) *classification of routes according to function; i.e.*, the extent to which each is a terminal, distributive or local-through route; this determining its design and width, the amount and character of access provided, and the regulations that should govern moving and stationary traffic.

(ii) *separation of traffic at different levels;* wherever the ground will allow reasonable gradients, and when the amount of turning traffic is limited.

(iii) *junctions designed for continuously moving traffic;* or where these are not practicable owing to lack of space or because of low traffic intensity, the design of crossings suited to simple or three-phase traffic lights with adequate queueing space for vehicles where necessary.

(iv) *rationalisation of the existing street pattern*; on the one hand by means of a slight increase of one-way streets, the closing of some streets to vehicles, and the elimination of right-hand turns; and on the other by a very marked increase of parking, garaging, stopping and lay-by facilities.

8 *Blackfriars rail bridge converted.*

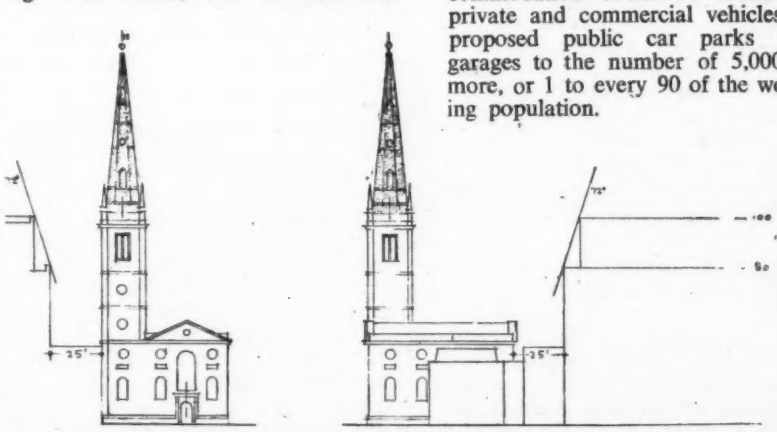
The sinking of the railway line at Blackfriars below ground will give the opportunity to improve the levels and weaving distances so as to provide a proper circulatory system. At the same time the then redundant railway bridge will provide the site for a road bridge which will bring northbound traffic to a point in the proposed roundabout whence it can turn and weave without difficulty.

9 *interim traffic-flow proposals.*

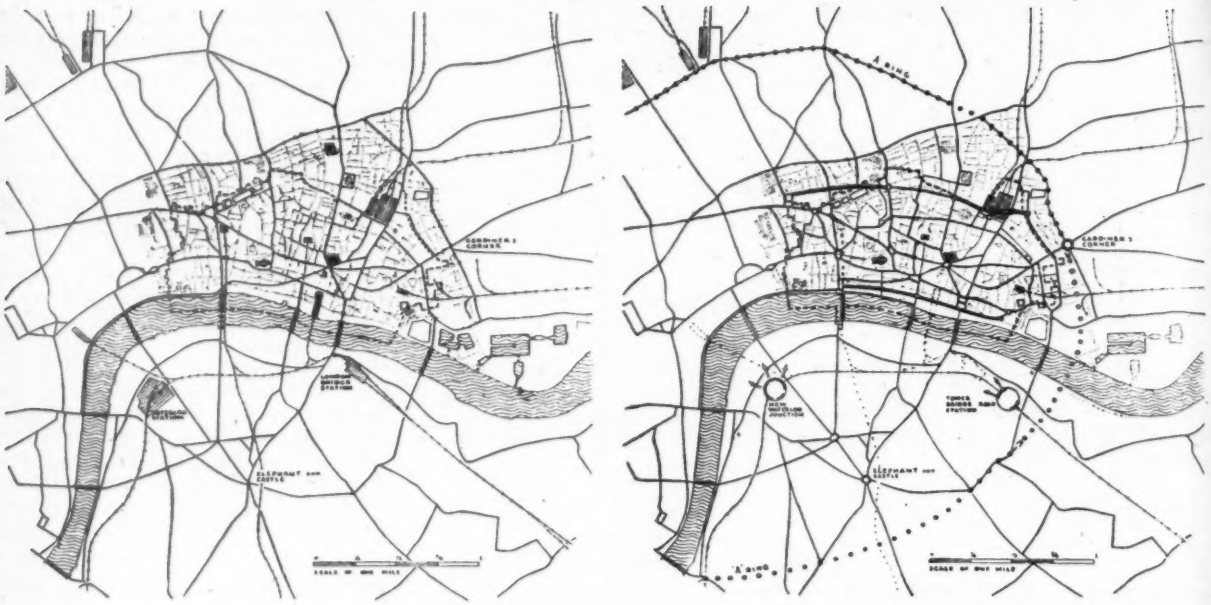
Among the interim remedies suggested, based on the ten-year plan, are the following:—

(*a*) the prohibition of standing vehicles on all the main routes; and stricter definition of the points suitable for stopping, picking-up and setting-down.

(*b*) the maximum possible facilities for parking cars and public service vehicles off the public ways. Accommodation could be found for private and commercial vehicles in proposed public car parks and garages to the number of 5,000 or more, or 1 to every 90 of the working population.



The application of the proposals for height control and set-backs to buildings round ancient monuments, the example is St. Margaret Pattens.



Diagrams showing relation of City street pattern to surrounding roads; left, as existing, right, as proposed showing links with the proposals of the County of London Plan.

(*c*) the wider distribution of bus routes and the improvement of bus stations so as to relieve both peak-hour congestion and the normal running of public service vehicles at such exchange points as Liverpool Street, Aldgate, Bishopsgate, and the Bank.

(*d*) the increased use of road studs and upright traffic signs to indicate lanes for particular streams of traffic, *One-Way* and *No-Entry* streets, and restrictions such as *No Right-Hand Turn*.

(*e*) the carrying on of loading and unloading operations entirely within the curtilage of those private properties for which some form of goods transport is essential.

(*f*) in some narrow thoroughfares, such as Leadenhall and Fenchurch Streets arcading over the pavement is suggested as an interim measure in advance of street widening.

An essential contribution on the planning side, without which neither street design nor traffic control will be effective, consists in establishing with whom lies the responsibility—financial and otherwise—for taking the necessary steps to carry out an improvement.

10 *Liverpool Street and Broad Street approaches.*

Important surface improvements affecting the plan are those for Liverpool Street and Broad Street. There appears to be some doubt in the Railway Committee's mind about the planning advantages as well as the practical feasibility of transferring the passenger lines from Broad Street to a remodelled Liverpool Street, and therefore interim proposals only are suggested for the Broad Street Station forecourt and frontage, which involve no interference whatever with present working.

In the case of Liverpool Street Station itself no alteration is proposed at this stage. A ramped approach is suggested from Middlesex Street to fly over Bishopsgate and link up with a car park at the upper level. If, at a later date, Broad Street Station is remodelled, the ramp down to the Northern Boundary Route can then be added.

11 *the pedestrian.*

The proposals for adding to pedestrian facilities include:

(*a*) increased open space, generally in small patches but occasionally—as at the bastions of old London Wall—more extensive or continuous.

(*b*) the linking up of these spaces with shopping lines or centres, historic buildings, and open view-points by means of wider pavements, or tree-planted streets, or in some cases subways under traffic crossings.

(*c*) shopping arcades at Old Broad Street, at Leadenhall Market, and in some of the sunk roundabouts such as at London Bridgehead.

(*d*) closing of certain streets to all except essential service vehicles, and widening the pavements.

12 *district heating.*

The consultant on district heating appointed by the Court of Common Council was asked to report on the desirability and practicability of including in the plans for the rebuilding of the City a scheme to meet all central heating and domestic hot water requirements in premises throughout the areas which have to be rebuilt.

The heating consultant estimates that an average price to the consumer to serve from 1952-1962, with coal at 55s. per ton, would be eightpence per therm, and this price might be reduced when the whole scheme is in operation. This not only compares favourably with present-day costs for heating business premises which in most cases are at least 50 per cent. higher, but would result in an overall saving of coal amounting to 61,700 tons a year in 15 years' time and subsequently to over 100,000 tons a year. From the planning point of view the system has a great deal to recommend it. The demand is constant and calculable, as the area of supply is very concentrated and densely occupied during the day time; and the elimination of coal carts and lorries from the streets and of chutes and chimneys from the buildings served would be sheer gain. Most important of all, the City would set an example to the rest of London in reducing the smoke nuisance at its very centre, and in doing so assist in combating the major disadvantages of grit, fog and sulphur dioxide.

13 *general zoning.*

The Town and Country Planning Bill now on its way to the Statute Book, requires that every planning authority shall carry out a

survey of its area, and submit to the Minister within three years a development plan "indicating the manner in which they propose that land in that area should be used . . . and the stages by which any such development should be carried out."

The first recommendation is that the City, excluding the Inner and Middle Temples, should be considered for all general zoning purposes as one zone. Reference is made to the desirability of abolishing in the near future, and as soon as consultations with the County Council have taken place, the distinction between zones in which the height and cover clauses vary. In regard to "use zoning" also, the distinctions between "free-entry" and "permissive" areas for Special Business, General Business, Commercial, and Undetermined Uses, should be abolished; and in their place should be indicated on the first development plan, and on the subsequent five-yearly revisions, those Sections in which particular types of commercial user will be considered normal, and those in which a special case will have to be substantiated before planning permission is granted. The plans would also define the sites, or at least the closely approximate localities, in which open spaces and uses other than commercial were to be either encouraged or excluded, and those which were designated for particular uses by the local authorities, statutory undertakers or Government Departments. Lastly, the descriptive statement attached to the plans would altogether prescribe certain forms of user.

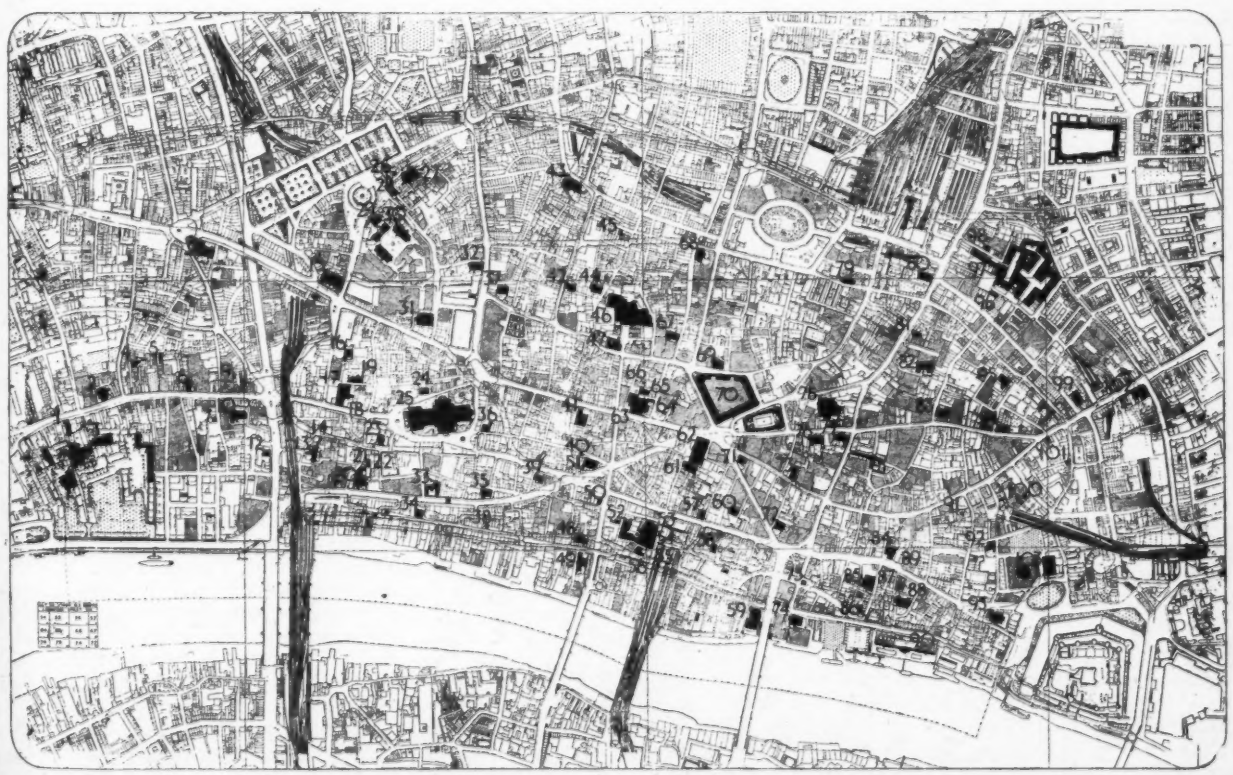
A General Zone covering the area of the City flanked—if the London County Council and the respective Borough Councils so determine—by similar zones in certain parts of Westminster, Holborn, Finsbury and Stepney is recommended. The General Zone covers all building uses grouped under the following headings:—

1.—*residential buildings* (which include hotels, hospitals, hostels, and flats).

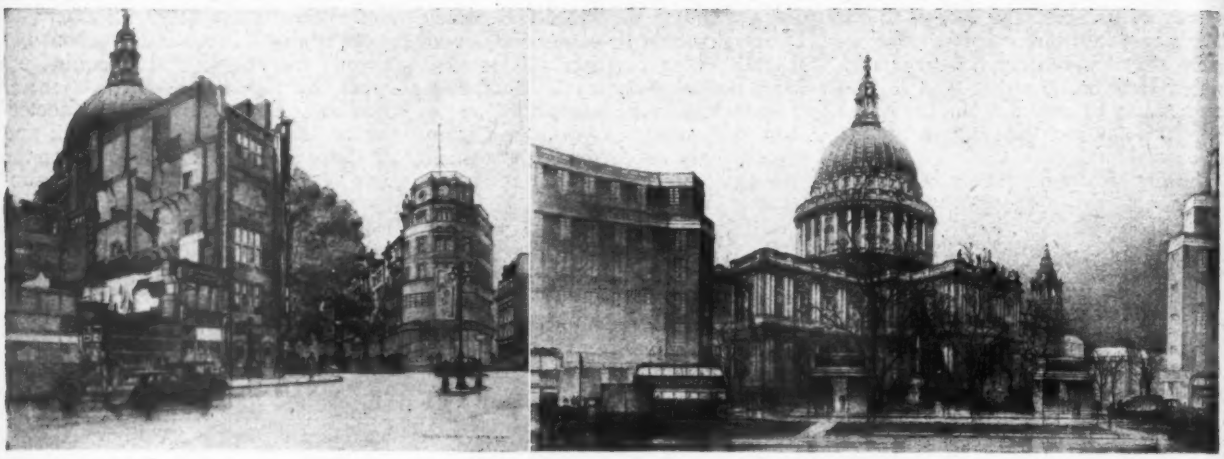
2.—*offices* (which include banks and safe deposits, and also private canteens and luncheon clubs).

Map showing the relation of historic monuments and buildings to the new street plan. All the buildings indicated are to be preserved except for one or two houses of minor interest. The report suggests that the Mansion House should be rebuilt on a site adjacent to the Guildhall and that the Church of St. James, Garlickhythe, which has a fine tower and steeple to be preserved, should be moved bodily 60 feet to the north.

1. Middle Temple Gatehouse.
2. St. Dunstan's-in-the-West.
3. Temple Church.
4. 5 & 6, Crane Court.
5. 17, Gough Square.
6. 44-5 and 145-6, Fleet Street, and the Cheshire Cheese
7. 1, Salisbury Square.
8. St. Andrew, Holborn.
9. 1-5, Racquet Court.
10. St. Bride.
11. 36, St. Andrew's Hill.
12. 14, New Bridge Street.
13. Apothecaries' Hall.
14. 81, Carter Lane.
15. St. Sepulchre.
16. Amen House, Warwick Square.
17. Stationers' Hall.
18. St. Martin, Ludgate.
19. 1-3, Amen Court.
20. St. Andrew-by-the-Wardrobe.
21. 35-6, St. Andrew's Hill.
22. 3-5, Wardrobe Place.
23. St. Paul's Deanery.
24. St. Paul's Chapter House.
25. St. Paul's Cathedral.
26. 41-2, West Smithfield.
27. St. Bartholomew-the-Great.
28. 57, West Smithfield.
29. St. Bartholomew's Hospital Gateway.
30. St. Bartholomew-the-Less.
31. Christ Church, Newgate Street.
32. St. Botolph, Aldersgate.
33. The College of Arms.
34. St. Benet.
35. St. Nicholas Cole Abbey.
36. St. Augustine.
37. St. Anne and St. Agnes.
38. St. Mary Somerset.
39. St. Mildred.
40. 29, Watling Street.
41. St. Mary-le-Bow.
42. St. Alban.
43. St. Giles, Cripplegate.
44. St. Mary-the-Virgin.
45. St. Alphege.
46. Guildhall.
47. St. Lawrence Jewry.
48. St. James.
49. Vintners' Hall.
50. 28, Queen Street.
51. St. Mary Aldermanbury.
52. St. Michael Paternoster Royal.
53. Tallowchandlers' Hall.
54. 9, Dowgate Hill.
55. Dyers' Hall.
56. Innholders' Hall.
57. St. Swithin London Stone.
58. 1-2, Lawrence Pountney Hill.
59. Fishmongers' Hall.
60. St. Mary Abchurch.
61. St. Stephen Walbrook.
62. Mansion House.
63. Mercers' Hall.
64. 6, Frederick's Place.
65. 2-3, Frederick's Place.
66. St. Olave, Old Jewry.
67. St. Stephen.
68. Armourers' and Braziers' Hall.
69. St. Margaret Lothbury.
70. Bank of England.
71. St. Mary Woolnoth.
72. St. Clement.
73. St. Edmund King and Martyr.
74. St. Magnus.
75. Monument.
76. St. Michael.
77. St. Peter.
78. Merchant Taylors' Hall.
79. All Hallows.
80. St. Botolph.
81. St. Ethelburga.
82. St. Helen.
83. St. Andrew Undershaft.
84. St. Margaret Pattens.
85. 6-7, St. Mary-at-Hill.
86. Waterman's Hall.
87. St. Mary-at-Hill.
88. St. Dunstan in the East.
89. 43, Eastcheap.
90. Custom House.
91. All Hallows Staining.
92. St. Olave, Hart Street.
93. All Hallows, Barking.
94. St. Katherine Cree.
95. Synagogue of Spanish Jews.
96. 7, Devonshire Square.
97. 12-13, Devonshire Square.
98. 5-7, New Street.
99. St. Botolph, Aldgate.
100. 7, Railway Place.
101. 7, Jewry Street.
102. 48-53, Aldgate.
103. Trinity House.



HISTORIC MONUMENTS IN THE CITY OF LONDON



A new square is proposed, named St. Paul's Place, to the north-east of the Cathedral. The drawing on the left shows how the area looks to-day, and on the right, from the same viewpoint, how the proposals will open up a new view of St. Paul's.

3.—*business premises* (which include wholesale warehouses, exchanges, salerooms, and workshops incidental to the business and not using mechanical plant).

The second group of building uses would be considered normal to every section, but would require to satisfy the planning authority that—with reference to their detailed siting, means of access, and loading facilities—they were not only satisfactory in themselves, but properly sited in a particular area, having regard to their special functions:—

4.—*shops* (which include retail markets, post offices, public houses, bars and restaurants and ticket offices).

5.—*public buildings and places of assembly* (which include churches and chapels, clubs, Company Halls, fire and police stations, professional institutes, secondary schools, technical colleges, exhibition halls, theatres and public libraries).

6.—*storage warehouses* (which include builders' and contractors' yards, cold stores, furniture depositories, and multi-storey garages).

7.—*light industrial buildings, i.e.*, those defined in Section 151 of the Factories Act, but having only electrically driven power-machinery of low horsepower (and including small printing establishments, and workshops for personal services).

8.—*petroleum filling stations.*

9.—*transport and public utility structures* (which include bus and underground stations and depots, electricity sub-stations, telephone exchanges, pumping stations, water towers and accumulators, railway stations and yards).

The third group of building uses would be considered normal to certain sections only, subject to the same conditions as the second group, but they would need to present a special case for admission to the other sections:—

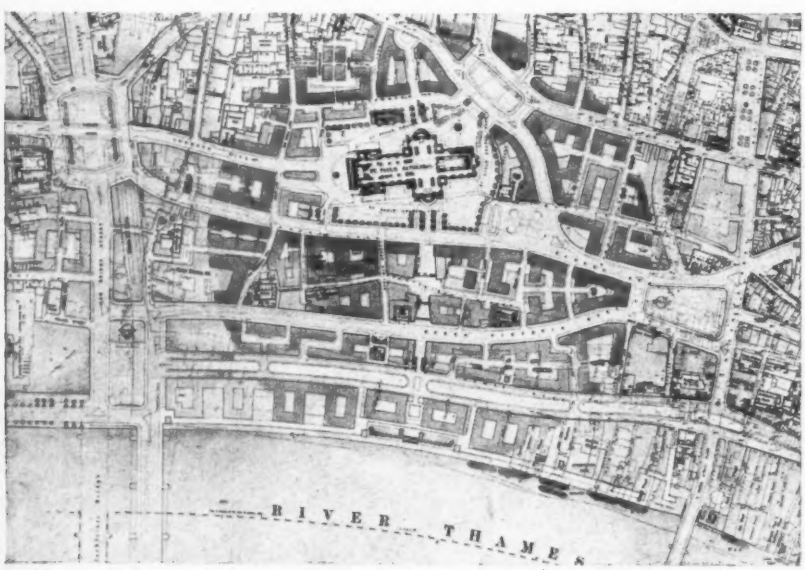
10.—*industrial buildings* (which include large printing works and presses, garages and repair shops, breweries, and factories). These would require special permission in the Inner Sections.

11.—*dwelling houses* (which include nursery schools). These would require special permission in any Section except in the area which lies north of the present line of Barbican - Beech Street - Chiswell Street. Existing dwelling houses, rectories, etc., would not be affected.

The last group of building uses would be excluded altogether, save in the most exceptional circumstances:—

12.—*special industrial buildings* (a list of heavy or noxious trades, including those likely to create a nuisance in a commercial area by reason of noise, fumes, odour, etc.).

13.—*Special Places of Resort* (which include amusement galleries and Fun Fairs).



A plan showing the proposals for the replanning of the area round St. Paul's Cathedral. In the treatment of the buildings around the precinct the planners were guided by Wren's own proposals for the Piazza. A paved pedestrian way is shown from the South Porch of the Cathedral to the river front, passing over Thames Street by the upper level road and on to the pedestrian walk along the river front. From here steps would lead down to the terrace at wharf level.

14 *precincts.*

There are certain areas which deserve the term "precinct" in that they have a character of their own, somewhat withdrawn from the run of commercial buildings, and should be protected from major thoroughfares running through them. The Inner and Middle Temples are obviously a precinct in this sense, and so is St. Bartholomew's Hospital, which, with the Church and Close on the other side of Little Britain, should be treated as a quiet area. It might well have some residential buildings as well as the Nurses' Home, and Little Britain should be closed to market traffic. Another precinct may be formed at Guildhall, especially if a site for the Mansion House is included in it on the west side.

The proposals for St. Paul's Churchyard will also tend to make it more of a precinct, but the main bus route passing along Carter Lane and Cannon Street will keep it as much a part of the everyday picture of London as it has



Drawing showing the view of St. Paul's from the proposed New Square. The church on the right is St. Augustine's, which might be converted into a Chapter House.

always been. Finally, at Tower Hill, the original proposal of the Improvement Trust, which has been adopted, takes the main road to the edge of the precinct, instead of cutting a large part of it up. The consultants propose an area of special residential development, overlooking this view, between Great Tower Street and Thames Street. It might contain flats and hostels and a club.

15 *the Guildhall precinct.*

Guildhall Yard, King Street, is the traditional approach to the Guildhall, and its intimate yet impressive scale should be preserved against the high horizontal line of the roof of Guildhall itself. But the offices, committee rooms and council chamber will have to be rebuilt, and some of the departments of the Corporation now dispersed in various parts of the City could conveniently be grouped here.

Aldermanbury which would become a semi-public road in the sense that it would have a marked entrance at the south end facing the underpass to the New Square, would also be used by local traffic proceeding to the offices or to the " Company Hall " north of the Guildhall.

The new Aldermanbury would be at right angles to the axis of Guildhall and should be an impressive entrance court, headed by the Church of St. Mary (rebuilt as a Church Hall) and leading past the main entrance of what would then be Guildhall House, to the car park and offices behind.

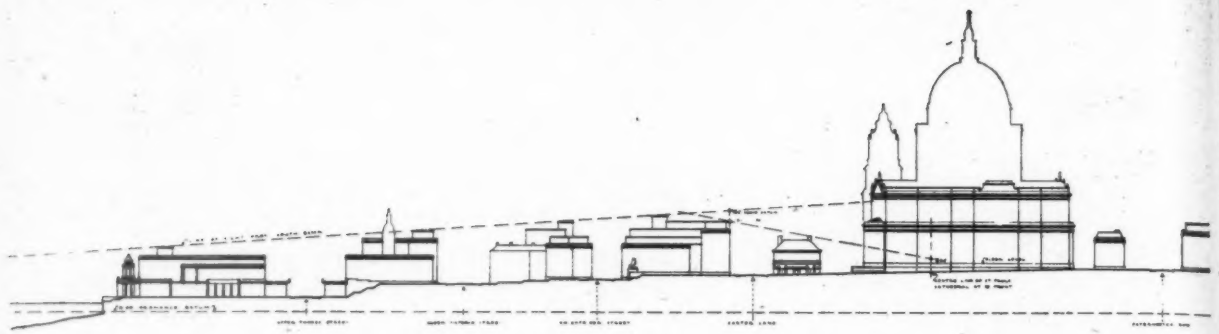
It is suggested that the Court of Common Council should consider this site as one which might eventually form part of the Guildhall precinct and be used for Corporation purposes. It is put forward as an alternative site for the Mansion House—should the advantages of combining this with Guildhall, and vacating the present valuable site facing the busiest traffic crossing in the City, commend themselves at a later date to the Court of Common Council.

16 *the City Livery Companies.*

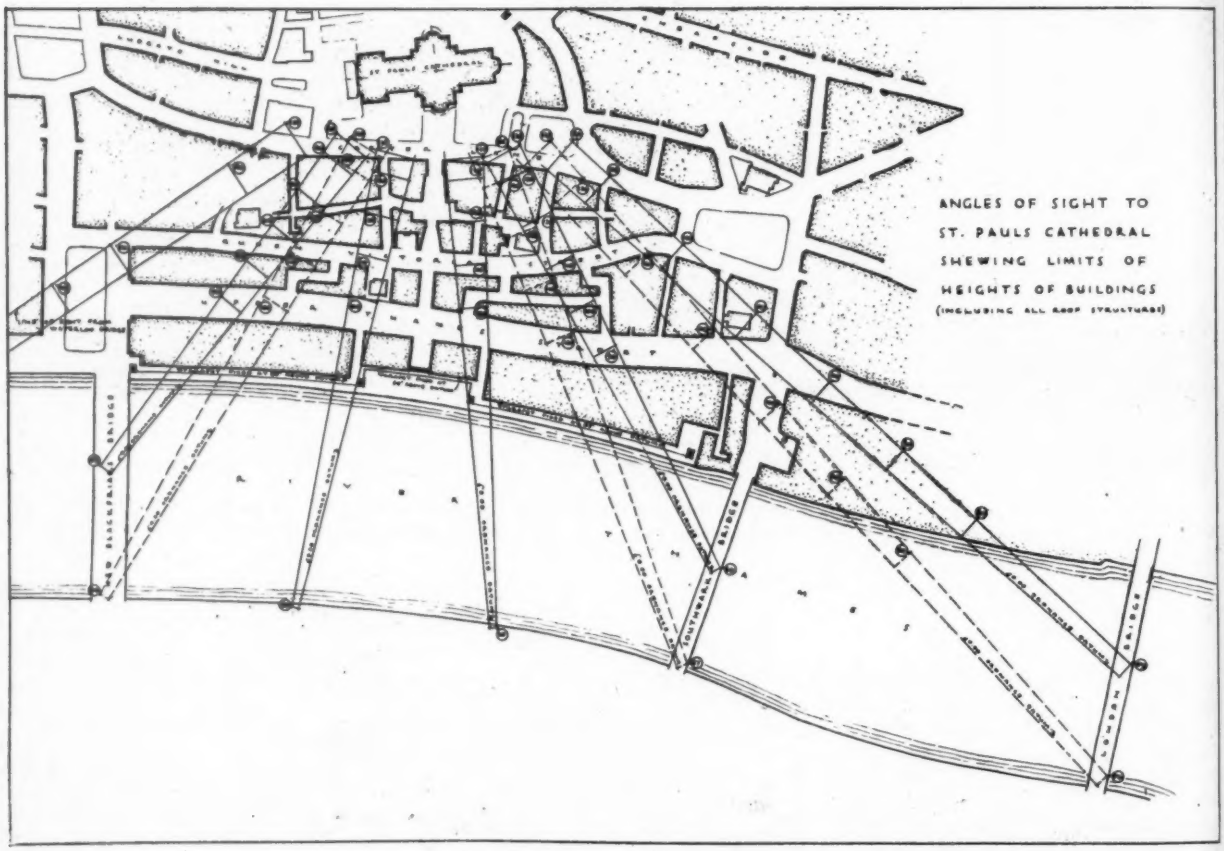
The map of ancient monuments, page 435, shows the location and wide distribution, throughout all Sections of the City, of the Livery Companies' Halls.

The planners have been careful to preserve all those whose halls or offices are housed in buildings of historic or architectural interest, and to allow for the rebuilding of those whose sites are historic, in the sense that they have existed in the same place since—or even before—the Great Fire of 1666.

It would seem reasonable in the case of those Halls which are in buildings of special architectural interest and on historic sites, that the Minister of Town and Country Planning should be asked whether he would allow the freehold tenure of the Companies to continue undisturbed so long as the land on which the Hall is situated is used for its present purpose.



Proposed control of height of buildings to the south of St. Paul's. Section showing line of sight from the south bank of the Thames, which is on the left. The river is on the left of the diagram.



Angles of sight from various points to the south of St. Paul's showing proposed limits to the heights of buildings. Heights are given above ordnance datum.

17 *St. Paul's Cathedral.*

In preparing the layout of the Cathedral precinct a number of factors came under review; a ceremonial approach from Fleet Street, up Ludgate Hill; the need for an adequate forecourt, with a lay-by for vehicles during special functions; the diversion to Carter Lane of the main traffic stream and bus route from its present close proximity to the west and south fronts of the Cathedral, and the reduction of disturbance to the religious services; the opening up of the Churchyard on the south and east; the closing of the east side of the Churchyard to north-south traffic, while at the same time making provision for that traffic to flow easily from Cannon Street to Newgate Street and St. Martins-le-Grand; the preservation of the best views of the Cathedral and its great dome, without making an excessive demand for open space; the maintenance and improvement in every way possible of the famous prospect of St. Paul's from Bankside; the dedication of some of the open space now cleared by bombing, as a memorial to the events of 1940-45 and to the Cathedral's almost miraculous preservation from destruction.

In considering these points it was inevitable that the natural limits of the Churchyard were revealed as Paternoster Row to the north, Old Change to the east, and Carter Lane to the south, the frontage to the latter being already determined, as to the major part, by the existence of the large reinforced concrete structure of the Faraday House Extension.



An axonometric drawing indicating the proposed treatment of the St. Paul's precinct. St. Paul's Place is just above the Cathedral to the left. The New Square is in the top right-hand corner.

In order to preserve the very fine view of St. Paul's from the south-east (which continues all the way down Cannon Street) and which has been so much remarked on since the destruction of adjacent property opened it up, the consultants propose that a space opposite St. Augustine's Church should be kept open.

Ludgate Circus, enlarged to a square, would normally function as a roundabout, but on Royal and ceremonial occasions a carriageway across the central island would make available a direct route to St. Paul's by Ludgate Hill. The entrance and exit would be guarded by obelisks (traditionally associated with Ludgate Circus) and would normally be closed by removable bollards and chains.

Ludgate Circus would also be an area of special architectural and advertisement control with the levels of parapets and maximum heights fixed in relation to ordnance datum in order to achieve a sense of design and comparative uniformity despite present difference in level in what would later become an important open place. The tower of St. Bride's Church would be seen from it, the retaining wall to the east front becoming one of the boundary walls of the square.

18 *the City churches.*

The report proposes: (*a*) the opening up of the towers of St. Vedast's, Foster Lane, St. Brides, Fleet Street, and St. Dunstan-in-the-East.

(*b*) the building up of the site of St. Mildred's, Broad Street.

(*c*) Christ Church, Newgate, becomes a Diocesan Centre.

(*d*) St. Mary Aldermanbury might be considered as an alternative site to St. Stephen, Coleman Street, as a Church Institute. The preservation of the open space here, in the Guildhall precinct would be welcomed.

(*e*) setting back the frontage line of St. Swithun, London Stone.

(*f*) The Church of St. James Garlickhythe set a difficult planning problem. The space between its south wall and the north frontage of Upper Thames Street is too small to take a wide road, and a narrower road on two levels would have the effect of putting the church into a cutting. The Court Room of the Vintners' and the ancient vault (dating to before the Great Fire) are immediately opposite.

The tower and steeple of the church are particularly fine and the interior is completely preserved. It should be preserved at all costs. The bodily removal of the church about 60 ft. to the north is recommended.

19 *procedure.*

The recommendations are based on the assumption that the Committee will forward to the Minister an application for a Declaratory Order under the 1944 Act, supported by proposals for improvement, in the recognition that this will be a step towards the eventual approval of a development plan under the 1947 Act, including the designation of land subject to compulsory purchase, and any compulsory purchase orders already made.

20 *the declaratory area.*

In recommending the areas suitable for designation for compulsory purchase, there were only two firm criteria for guidance; one is the definition of *areas of extensive war damage* which require to be redeveloped as a whole, the other is the addition of other land, including areas of bad layout and obsolete development, required for *the carrying out of essential planning improvements.* These are in fact the criteria for the Declaratory Areas under the Town and Country Planning Act of 1944. The new Bill, as it is likely to be amended, widens the scope of designation and somewhat limits it in point of time, so that it includes—

(*a*) land required by any Minister, local authority or statutory undertaker for the purposes of any of their functions and likely to be required for that purpose within *ten* years from the date on which the plan is approved;

(*b*) land to be redeveloped as a whole, (including war-damaged areas and areas of obsolete building mentioned above) and likely to be required for the purpose within fifteen years;

(*c*) any other land which, in the opinion of the local planning authority, is wanted for the purpose of securing its use in the manner proposed by the plan.

The information necessary for designation under (*a*) above, will take some time to assemble. In this transitional period between the old and the new planning systems, it is possible to proceed formally under the Act of 1944, while preparing the way for the new procedure. Short of total acquisition, by which the Corporation with some other local authorities and the Crown would become ground landlords of the whole City, the most reasonable use of the present powers of designation and purchase would be in the direction of shaping and consolidating the Corporation's estate arising out of planning action in a number of areas where—

(*a*) the fact of their single ownership would simplify redevelopment and hasten reconstruction;

(*b*) the proposed improvements are on a scale which suggests the acquisition of an interest in a wider area of land than the few hundred square feet required for street widening or the establishment or extinction of a right of way; and

(*c*) no other landlord, or group of landlords, is able and willing to develop a property or a block of properties themselves, or make the land available on suitable terms to others to develop in accordance with the main framework of the plan.

The first two conditions (*a*) and (*b*), are dependent on purchase, the third is really a reserve power, dependent on "declaration" or "designation," and is extremely important in the City, where ownerships are not only comparatively small in area but widely scattered.

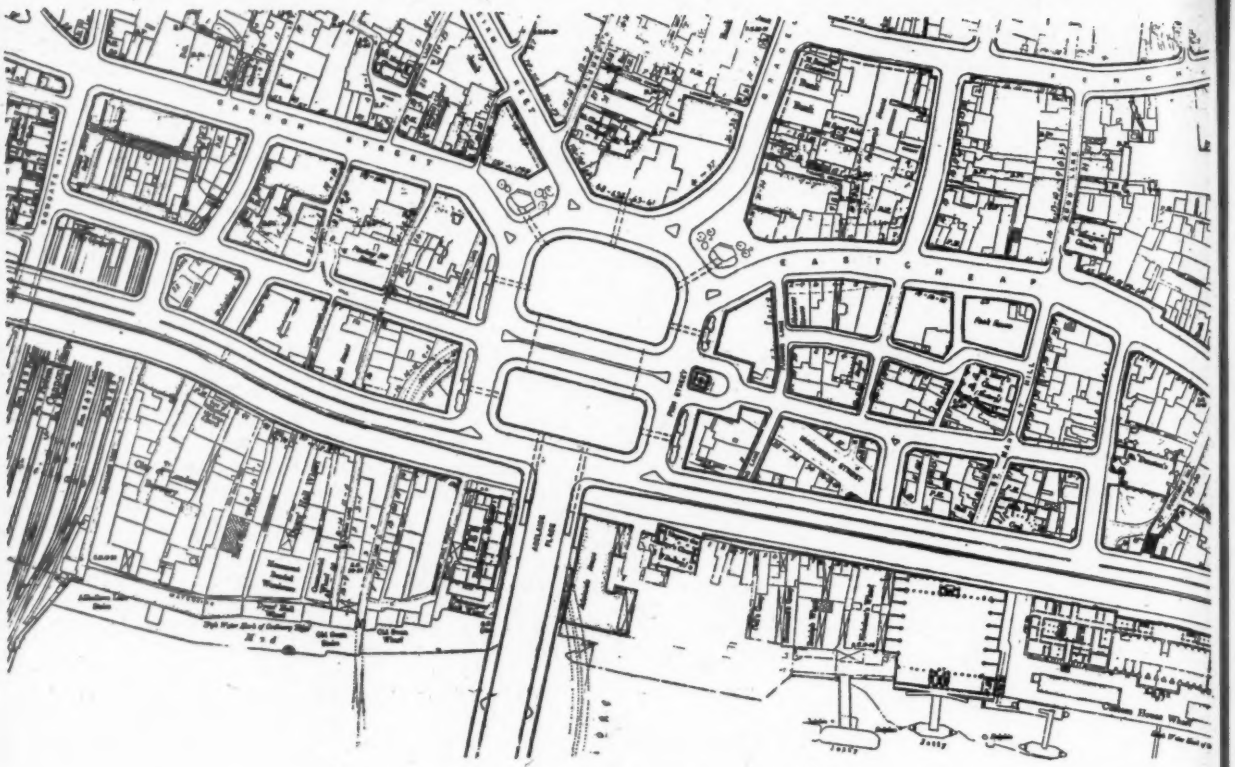
21 *the execution of planning proposals.*

The consultants make three suggestions to assist the execution of the planning proposals—

(i) To discharge its obligations and policy under the 1944 Act and the 1947 Bill, the Corporation will require a Department, advised by a full-time City Planning Officer.

(ii) The Committee would find it convenient to define exactly what is meant by "redevelopment in conformity with the plan."

(iii) Discussions with the Minister of Town and Country Planning, and with the Central Land Board when it is set up, will probably be the best means of reaching decisions on certain principles of purchase and development which are not clear at the moment.



LONDON BRIDGEHEAD

The drastic remodelling proposed in the Ten Year Programme at Cannon Street, and a complete circulatory system at London bridgehead, with a two-level road to the south.

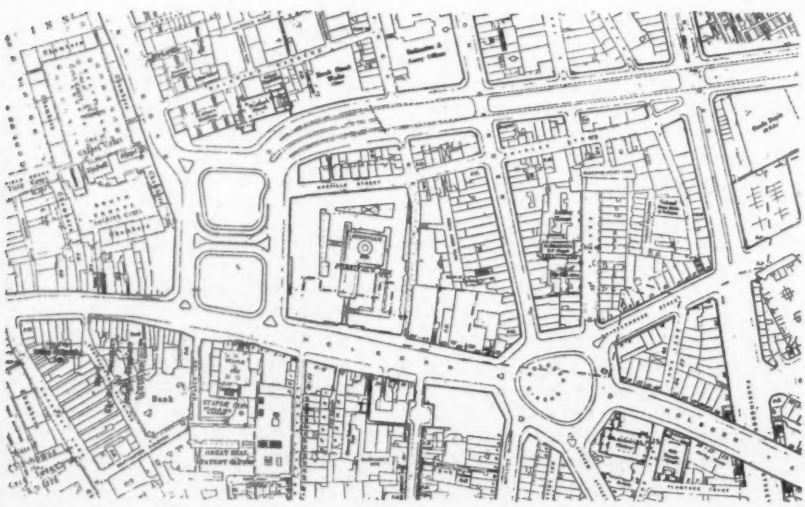
22 *important new traffic places.*

The following details in the road plan are noteworthy:

1. Ludgate Circus and Blackfriars Bridgehead. The report recommends six carriageways throughout, an underpass at Cow Cross Street, traffic lights at Charterhouse Street and roundabouts at Ludgate Circus—thus enlarged to a square—and the Bridgehead. Levels and standing buildings at both Ludgate Circus and Blackfriars make grade separations or simple flyovers impossible at these two points.

2. Improvements at Holborn Circus proposed, a roundabout at St. Martins-le-Grand, the retention of traffic lights at Queen Street, a roundabout eventually at the Bank, and lights as now at the crossings of Gracechurch Street and Jewry Street. The more important recommendations, however, that will affect this route are those designed to relieve it of a proportion of its buses and other traffic by alternative routes, the reduction of crossings and right-hand turns along its length, and the provision of a local street in cutting under Cheapside, linking up Gresham Street and Cannon Street.

3. In view of the weight of building in Bishopsgate and Gracechurch Street and also on the line of any potential diversions to east or west, the recommendations in the ten-year programme are for a drastic but necessary remodelling of London Bridgehead at Cannon Street, the avoidance of certain right-hand turns into Gracechurch Street, and a limited amount of widening or arcading aimed at establishing four clear carriageways throughout. This route represents an urgent case for constant improvement, in spite of



HOLBORN CIRCUS

The proposals for Holborn Circus and New Square and approach to the northern two-level road in Gray's Inn Road.

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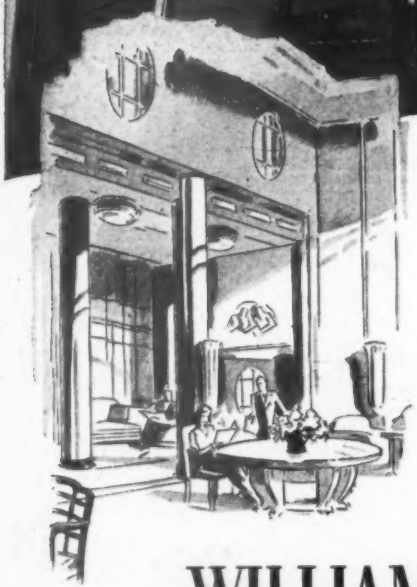
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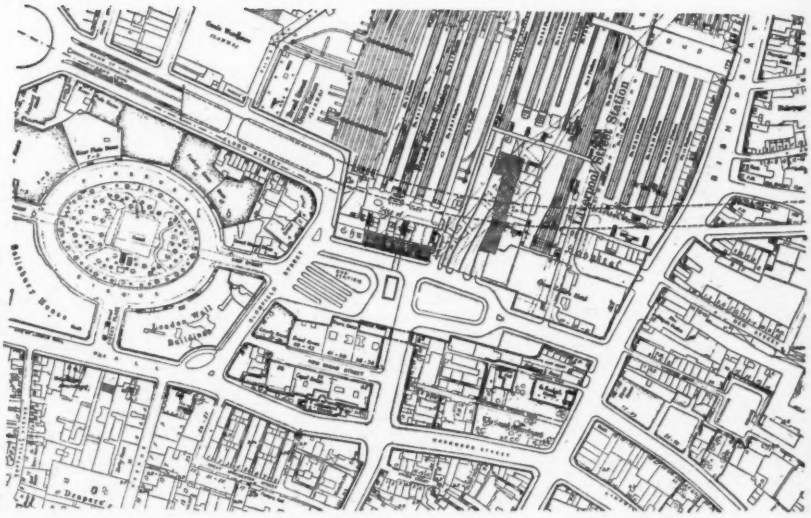
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LIVERPOOL STREET

A new car park is proposed at a high level over Liverpool Street, reached by a fly-over; it is suggested passenger traffic be removed from Broad Street Station.



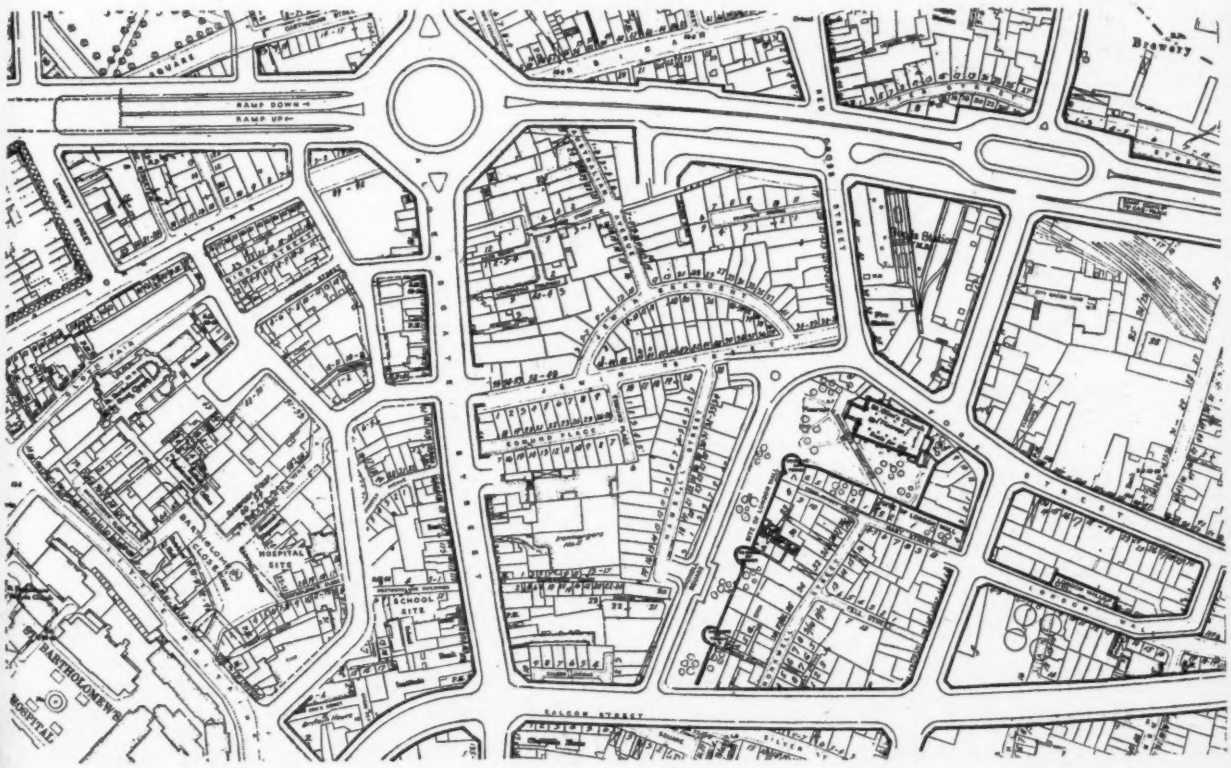
the apparent obstacles in the way of widening the existing streets or tunnelling below them. The main relief to be expected outside the City boundary is the "A" ring road and tunnel.

4. The consultants recommend a diversion of through traffic from Ludgate Hill to the south-eastern arm of the new Ludgate Square which links up with Cannon Street *via* Carter Lane, leaving Ludgate Hill as a terminal street to St. Paul's Cathedral. They also recommend a roundabout at the junction of Cannon Street and Queen Victoria Street (which they have called The New Square).

The report recommends a gradual widening of Thames Street, in sections, to allow a terrace road at office level (*i.e.*, about 45 feet over Ordnance Datum, the level of London Bridgehead, and parts of Cannon Street and Queen Victoria Street) and beside it a broad service road at warehouse level (*i.e.*, the present level of Thames Street). The service road, which already exists, will have a number of connections passing under the terrace road to gain the upper levels of the City. The terrace road will only be practicable throughout its entire length when Cannon Street Station is rebuilt below ground as foreshadowed in the Railway Committee's Report, and when existing buildings at London Bridgehead can be demolished or rebuilt so as to allow the complete circulatory scheme at this point to be carried out. Eventually the Thames Street "Terrace," uninterrupted by traffic lights, would link the Embankment with a new roundabout proposed at Great Tower Street, just south of Mark Lane, and also with the three bridgeheads; while Thames Street would remain as a wide service road between Blackfriars and Tower Hill, passing *below* the bridgeheads, serving the wharves and warehouses, and giving access to loading docks, car parks and garages throughout the greater part of its length. The car parking capacity below the "Terrace" would be at least 1,000 cars.

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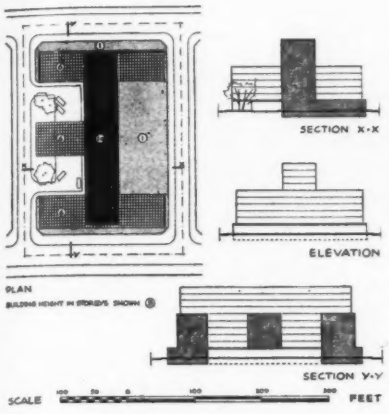
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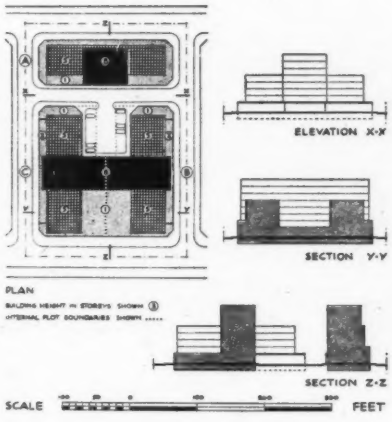
REDEVELOPMENT AS ONE UNIT (OFFICES & SOME SHOPS)



GROSS AREA INCLUDING HALF SURROUNDING STREETS	83,000 SQ. FT	100%
SURROUNDING STREETS	25,000 SQ. FT	30%
LAND NOT BUILT ON (PUBLIC)	NIL	
LAND NOT BUILT ON (PRIVATE)	9200 SQ. FT	11%
BUILT ON AREA	48,800 SQ. FT	59%
TOTAL FLOOR SPACE 294,100 SQ. FT	BASEMENT AREA 45,050 SQ. FT	
PLOT RATIO 3·07	F.S.I. 3·54	

ALL BUILDINGS CONFORM WITH THE DAYLIGHTING CODE

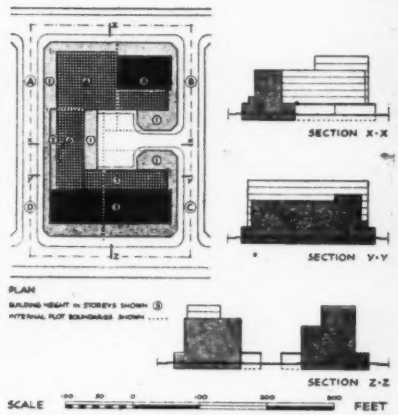
REDEVELOPMENT AS ONE UNIT, TO PROVIDE THREE OFFICE BUILDINGS FOR SUBLETTING



GROSS AREA INCLUDING HALF SURROUNDING STREETS	83,000 SQ. FT	100%
SURROUNDING STREETS	25,000 SQ. FT	30%
LAND NOT BUILT ON (PUBLIC)	8,250 SQ. FT	10%
LAND NOT BUILT ON (PRIVATE)	3,500 SQ. FT	4%
BUILT ON AREA	46,250 SQ. FT	56%
TOTAL FLOOR SPACE 250,100 SQ. FT	BASEMENT AREA 46,250 SQ. FT	
PLOT RATIOS 5·00–5·10	AVERAGE PLOT RATIO 5·03	F.S.I. 3·02

ALL BUILDINGS CONFORM WITH THE DAYLIGHTING CODE

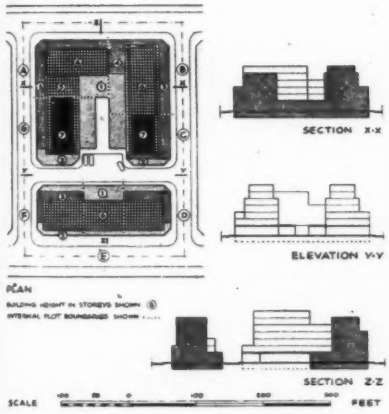
REDEVELOPMENT AS FOUR UNITS (OFFICES WITH SOME WAREHOUSES)



GROSS AREA INCLUDING HALF SURROUNDING STREETS	83,000 SQ. FT	100%
SURROUNDING STREETS	25,000 SQ. FT	30%
LAND NOT BUILT ON (PUBLIC)	3,300 SQ. FT	4%
LAND NOT BUILT ON (PRIVATE)	4,300 SQ. FT	5%
BUILT ON AREA	50,400 SQ. FT	61%
TOTAL FLOOR SPACE 277,900 SQ. FT	BASEMENT AREA 50,400 SQ. FT	
PLOT RATIOS 5·00–5·18	AVERAGE PLOT RATIO 5·08	F.S.I. 3·35

ALL BUILDINGS CONFORM WITH THE DAYLIGHTING CODE

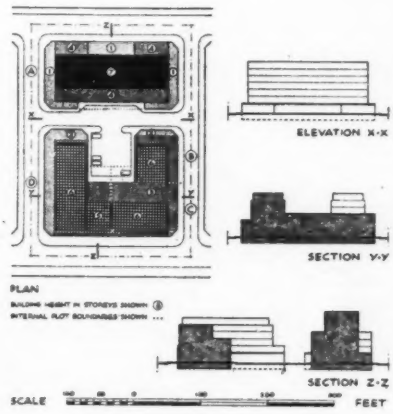
REDEVELOPMENT AS SEVEN UNITS (MAINLY OFFICES)



GROSS AREA INCLUDING HALF SURROUNDING STREETS	83,000 SQ. FT	100%
SURROUNDING STREETS	25,000 SQ. FT	30%
LAND NOT BUILT ON (PUBLIC)	9,250 SQ. FT	11%
LAND NOT BUILT ON (PRIVATE)	500 SQ. FT	·6%
BUILT ON AREA	48,250 SQ. FT	58·4%
TOTAL FLOOR SPACE 250,350 SQ. FT	BASEMENT AREA 48,250 SQ. FT	
PLOT RATIOS 5·01–5·26	AVERAGE PLOT RATIO 5·13	F.S.I. 3·02

ALL BUILDINGS CONFORM WITH THE DAYLIGHTING CODE

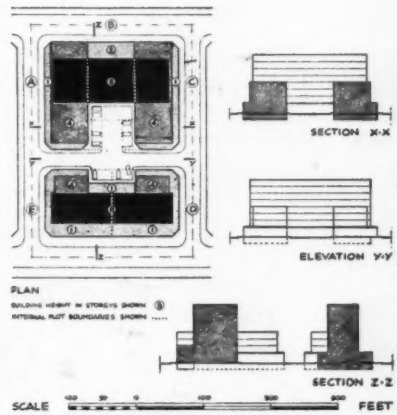
REDEVELOPMENT AS FOUR UNITS (WAREHOUSES WITH SOME OFFICES)



GROSS AREA INCLUDING HALF SURROUNDING STREETS	83,000 SQ. FT	100%
SURROUNDING STREETS	25,000 SQ. FT	30%
LAND NOT BUILT ON (PUBLIC)	9,800 SQ. FT	12%
LAND NOT BUILT ON (PRIVATE)	3,300 SQ. FT	4%
BUILT ON AREA	44,900 SQ. FT	54%
TOTAL FLOOR SPACE 248,950 SQ. FT	BASEMENT AREA 44,900 SQ. FT	
PLOT RATIOS 5·06–5·24	AVERAGE PLOT RATIO 5·16	F.S.I. 3·00

ALL BUILDINGS CONFORM WITH THE DAYLIGHTING CODE

REDEVELOPMENT AS FIVE UNITS (STORAGE WAREHOUSES)



GROSS AREA INCLUDING HALF SURROUNDING STREETS	83,000 SQ. FT	100%
SURROUNDING STREETS	25,000 SQ. FT	30%
LAND NOT BUILT ON (PUBLIC)	7,350 SQ. FT	9%
LAND NOT BUILT ON (PRIVATE)	5,450 SQ. FT	7%
BUILT ON AREA	45,200 SQ. FT	54%
TOTAL FLOOR SPACE 255,700 SQ. FT	BASEMENT AREA 40,700 SQ. FT	
PLOT RATIOS 5·00–5·17	AVERAGE PLOT RATIO 5·05	F.S.I. 3·08

ALL BUILDINGS CONFORM WITH THE DAYLIGHTING CODE

Diagrams showing suggestions for redeveloping a typical city block to suit varying conditions of ownership. The figures in the circles on the plan show the number of stories. The proposed daylighting code is observed in all these arrangements.

23 *forms of unit blocks.*

Recommendation affecting layout and forms of future buildings in the City which appear in various Chapters of the Report are numerous. A street block of the average size of those existing in the Inner Sections of the City in 1939 has been taken, and drawings were made of its redevelopment in various ways which both meet the City's needs and conform with all the recommendations. These studies are shown in the diagrams on this page.

The following general points deserve special notice in examining these diagrams:

(1) The buildings provide for the uses or combinations of uses that are of most importance in the City. Plot sizes, widths of blocks, and proportion of floor space on lower floors generally resemble those which now exist.

(2) In general, the redevelopments shown conform with the Plot Ratio of 5 recommended for office buildings in the City.

(3) All buildings comply with the proposed daylighting code.

(4) Rear access and some parking off the public way for vehicles have been provided in nearly all cases.

(5) The majority of the accommodation in all buildings is set back from the street front and thus is quieter and better lighted.

(6) No internal (or enclosed) light wells or internal areas of any kind have been found necessary.

(7) The standard office block width assumed has been of the order of 50 feet between outer walls. In several examples, it is assumed that substantial storage space, large banking halls, etc., are wanted on lower floors and have thus allowed a greater span.

PRICES

This regular feature, prepared by Davis, Belfield and Everest, Chartered Quantity Surveyors, summarises basic prices for materials and gives labour rates for the London District and Grade Classifications outside London. In the past, prices for materials have been expressed as a percentage over pre-war rates. This practice is no longer being continued as it is felt that pricing by references to pre-war standards can now be considered obsolete. Detail prices of materials are given quarterly.

BASIC MATERIALS	BASIC PRICES AND RATES OF WAGES, 1947			
	Jan.	Feb.	Mar.	Apr.
Portland cement (6 tons and over) .. per ton	55/–	55/–	55/–	55/–
Bags .. „	7/–	7/–	7/–	7/–
2-in. unscreened ballast .. per yd. cu.	14/–	14/–	14/–	14/–
Fletton bricks (at station) .. per 1,000	70/-	70/-	70/-	70/-
Stoneware drain pipes (British standard, 2 tons and over) .. Standard list +	37½%	37½%	37½%	37½%
Roofing tiles per 1,000	90/–+90%	90/–+90%	90/–+90%	90/–+90%
Steel joists (basic sections ex mills) .. per ton	£16 12s.	£16 12s.	£16 12s.	£16 12s.
Lime greystone .. „	74/9	74/9	74/9	79/9
Sheet lead (5 cwts.—1 ton lots) .. „	£85	£85	£85	£106 15s.
Iron rainwater goods and soil pipes .. List 3100 AB +	54%	54%	54%	54%
White lead paint .. per gallon	36/3	38/9	38/9	42/9
RATES OF WAGES (London)				
Within 12 miles radius				
Craftsmen .. per hour	2/7½	2/7½	2/7½	2/7½
Labourers .. „	2/1¼	2/1¼	2/1¼	2/1¼
From 12—15 miles radius				
Craftsmen .. „	2/7	2/7	2/7	2/7
Labourers .. „	2/1	2/1	2/1	2/1

Prices of materials above include for delivery to site in the Central London Area and the rates of wages are for London only.

Current rates of wages outside London are as follows :—

GRADE CLASSIFICATIONS	A	A¹	A²	A³	B	B¹	B²
Craftsmen ..	2/6	2/5½	2/5	2/4½	2/4	2/3½	2/3
Labourers ..	2/–	1/11¾	1/11¼	1/11	1/10½	1/10	1/9¾

W. A. Davis

F.S.I., F.I.Arb.



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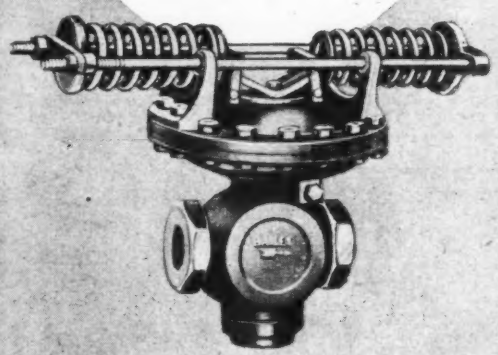
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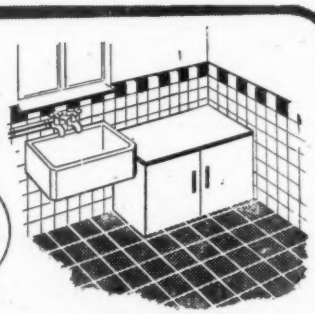
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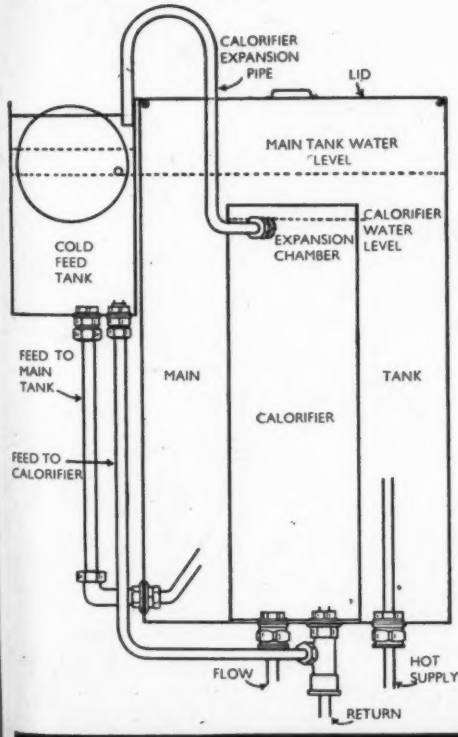
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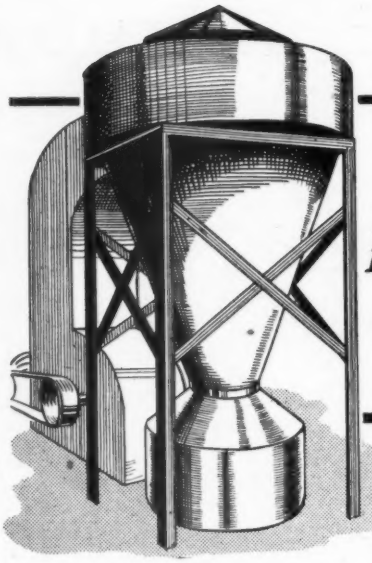
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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1, and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

Replies to Box Numbers should be addressed care of "The Architects' Journal," at the address given above.

Public and Official Announcements

Six lines or under, 10s.; each additional line, 1s. 6d.

THE INCORPORATED ASSOCIATION OF ARCHITECTS AND SURVEYORS maintains a register of qualified architects and surveyors (including assistants) requiring posts, and invites applications from public authorities and private practitioners having staff vacancies. ADDRESS: 75, EATON PLACE, LONDON, S.W.1. TEL. SLOANE 5615. 905

NORTH RIDING OF YORKSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the appointment of SENIOR ASSISTANT ARCHITECT, Grade A.P.T., V, of the National Scales (£460-£510), plus cost-of-living bonus (at present £59 16s. per annum).

Applicants must have had experience in the Architect's Department of a Local Authority.

Appointment terminable by two calendar months' notice on either side, and subject to the Local Government Superannuation Act, 1937, and a satisfactory medical examination.

Forms of application are not being issued, but if further information is required it may be obtained from J. Catchpole, A.R.I.B.A., County Architect, County Hall, Northallerton. Applications, stating age, qualifications and experience, together with particulars of present and previous appointments, and the names and addresses of three persons to whom reference can be made, must be delivered to the undersigned not later than Saturday, 31st May, 1947.

Canvassing, directly or indirectly, will be deemed a disqualification, and candidates should state, in writing, whether they are related to any member of the Council, or to the Head of any Department or his standing Deputy.

H. G. THORNLEY,
Clerk of the County Council.

County Hall, Northallerton.
May, 1947. 927

COUNTY BOROUGH OF BRIGHTON.
BRIGHTON TECHNICAL COLLEGE.

Principal: G. E. WATTS, M.A., Ph.D., F.R.I.C.

Applications are invited for the following appointments:—

(*a*) LECTURER IN CIVIL ENGINEERING, who should be a Corporate Member of either the Institution of Civil Engineers or the Institution of Structural Engineers, and also preferably an Honours Graduate in Engineering.

(*b*) TWO LECTURERS IN BUILDING SUBJECTS, who should hold approved qualifications in Architecture, Building or Structural Engineering, and one of whom should have special qualifications and experience in Quantity Surveying.

The salaries will in all cases be in accordance with the Burnham Technical Scales, with full allowances for approved research, industrial and teaching experience, and for war service. The persons appointed will be required to take up their duties in September, 1947.

Further particulars and forms of application may be obtained from the undersigned. The completed forms should be returned with copies of two recent testimonials to the Principal, Technical College, Brighton, 7, within two weeks of the appearance of this notice.

W. G. STONE, M.A.,
Education Officer.

Education Office, 54, Old Steine,
Brighton, 1. 918

COUNTY OF LINCOLN—PARTS OF LINDSEY.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

DEPUTY COUNTY ARCHITECT, at a salary of £700 per annum, rising by annual increments of £50 to £850, plus bonus.

PRINCIPAL ASSISTANT ARCHITECT (Grade VIII), £625 per annum, rising by annual increments of £25 to £700, plus bonus.

The cost-of-living bonus is at present £59 16s. per annum.

Candidates must have passed the qualifying examination for A.R.I.B.A., be proficient in design, and have had experience in the control of staff. Applicants must have a knowledge of Local Government administration and procedure, and be able to drive a car, which must be provided by the person appointed and for which an allowance on the County Council's scale will be paid.

Applications, stating age, training, experience and qualifications, together with copies of two recent testimonials, and the names of two persons to whom reference can be made, should be sent to the County Architect, County Offices, Lincoln, not later than 26th May, 1947.

ERIC W. SCORER,
Clerk of the County Council.

County Offices, Lincoln. 917

COUNTY BOROUGH OF BARNSLEY.
APPOINTMENT OF SECOND ASSISTANT ARCHITECT.

Applications are invited for the appointment of a Second Assistant Architect, on the permanent establishment of the Borough Engineer and Surveyor's Department.

The salary will be in accordance with A.P.T., Grade IV, of the National Scale of Salaries, commencing at £420 per annum, rising to £465 per annum, plus cost-of-living bonus, at present £59 16s.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the passing of a medical examination, and will be terminable by one month's notice on either side, and will also be subject to the general conditions of service within the Corporation, as varied from time to time.

Applicants should be Registered Architects, and applications, stating age, qualifications and experience, together with copies of two testimonials, should reach the Borough Engineer and Surveyor, Town Hall, Barnsley, not later than the 26th May, 1947.

Canvassing, either directly or indirectly, will be deemed a disqualification.

A. E. GILFILLAN,
Town Clerk.

Town Hall, Barnsley. 912

CORPORATION OF LONDON.
CITY SURVEYOR'S OFFICE.
APPOINTMENT OF TECHNICAL STAFF.

Applications are invited for the following appointments, in the City Surveyor's Office:—

ASSISTANT ARCHITECTS and SURVEYORS. Salary up to £475 p.a. (inclusive of consolidated bonus), according to age, qualification and experience.

Applicants should either have qualified or be about to qualify for Associate Membership of the Royal Institute of British Architects, or Associate Membership of the Royal Institution of Chartered Surveyors (Building Sub-division).

The appointments are for the present on a temporary basis, and will be concerned principally with the reinstatement of war damage to a variety of types of properties. In the event of establishment to the permanent staff, temporary service will count for the purposes of superannuation. Such appointments will be subject to the provisions of Local Government Superannuation, and applicants will be required to pass a medical examination.

Previous experience with a Municipal body is not essential.

Applications, endorsed "Technical Staff," to be made to George Holliday, F.S.I., City Surveyor, 55-61, Moorgate, E.C.2, giving the following particulars:—Service with Armed Forces, age, qualification or intentions in connection therewith, previous training, positions and experience, date when available to commence duties if selected, together with copies of two testimonials. 916

BERKSHIRE COUNTY COUNCIL.
APPOINTMENT OF TECHNICAL STAFF.

Applications are invited for the following appointments, in the County Architect's Department.

(*a*) SENIOR ASSISTANT ARCHITECT, at a salary of £460 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £510 per annum (A.P.T., Grade V), plus bonus.

(*b*) TWO ASSISTANT ARCHITECTS, at a salary of £390 per annum, rising by three annual increments of £15 to a maximum of £435 per annum (A.P.T., Grade III), plus bonus.

(*c*) ENGINEERING ASSISTANT, at a salary of £460 per annum, rising by two annual increments of £15 and one of £20 to a maximum of £510 per annum (A.P.T., Grade V), plus bonus.

The cost-of-living bonus is at present £59 16s. per annum.

Candidates for appointment (*a*) should be Associate Members of the Royal Institute of British Architects, or hold an equivalent qualification, and should preferably have had experience in the type of work carried out by County Councils, and be able to take charge of contracts. The possession of a car is not essential but would be an advantage, and car allowance will be paid on the Council's scale.

Candidates for appointment (*b*) should be registered Architects, with considerable experience of preparing working drawings with the minimum of supervision.

Candidates for appointment (*c*) should be members of the Institution of Heating and Ventilating Engineers, and should have had wide experience in design and supervision of heating, hot water supply, electrical and general mechanical installations.

All the appointments will be subject to the Local Government Superannuation Act, to one month's notice on either side, to the successful candidates passing a medical examination, and to the Council's General Conditions of Service for Administrative, Professional, Technical, and Clerical Staff for the time being in force.

Other factors being equal, preference will be given to registered disabled persons.

Application forms can be obtained on receipt of a stamped addressed envelope from the County Architect, 35, Bath Road, Reading, to whom they should be returned completed, together with copies of three recent testimonials, on or before Saturday, 31st May, 1947.

H. J. C. NEOBARD,
Clerk of the Council.

Shire Hall, Reading. 915

COUNTY BOROUGH OF NORTHAMPTON.
ASSISTANT ARCHITECT.

Applications are invited for the appointment of an Assistant Architect (Town Planning), on the permanent staff of the Borough Architect and Town Planning Officer, in A.P.T. Division, Grade V (£460-£510 p.a., plus bonus).

Applicants should be Members of the Royal Institute of British Architects, and have experience in Town Planning. Duties will consist mainly of the preparation of re-development schemes for the Central Area, Civic Centre, etc., as part of the Town Planning Scheme, and at a later stage the architectural work in connection therewith. Previous experience with a Local Authority is not essential.

Further particulars of the appointment and form of application may be obtained from the undersigned, to whom completed forms should be returned by Friday, 30th May, 1947.

C. E. VIVIAN ROWE,
Town Clerk.

Guildhall, Northampton.
1st May, 1947. 920

THE UNIVERSITIES BUREAU OF THE BRITISH EMPIRE, 8, PARK STREET, LONDON, W.1,

has been requested to announce the following vacancy:

THE UNIVERSITY OF SYDNEY CHAIR OF ARCHITECTURE.

The Senate will shortly proceed to the appointment to the Chair of Architecture which will become vacant upon the retirement of Professor L. Wilkinson. It will be glad to hear before 31st July, 1947, from anyone who would like to be considered for the appointment. The salary is £1,250 per annum, but negotiations for a general increase in University salaries are in progress. There is a retirement provision on the lines of F.S.S.U., and in addition the University pays £400 by way of annuity. One year's leave is granted on full pay every seven years, or thereabouts. Travelling expenses will be paid as arranged at time of appointment. Applications are to be sent direct to:

G. DALE,
Acting Registrar.

The University of Sydney.
30th April, 1947. 908

THURROCK URBAN DISTRICT COUNCIL.
ENGINEER AND SURVEYOR'S DEPARTMENT.
ARCHITECTURAL ASSISTANTS.

Applications are invited for the following appointments:—

ARCHITECTURAL ASSISTANT, at a salary according to Grade VI of the A.P.T. Division of the National Scale of Salaries, *viz.*, £535×£20 and £25—£600 per annum, plus bonus, with experience in the preparation of Drawings, Specifications and Estimates in connection with Building and Architectural Work usually undertaken by a Local Authority, and in the organisation of housing construction on a large scale.

ARCHITECTURAL ASSISTANT, at a salary according to Grade IV of the A.P.T. Division of the National Scale of Salaries, *viz.*, £420×£15—£465 per annum, plus bonus, with experience in the preparation of Drawings, Specifications and Estimates for Building and Architectural Work.

Bonus for each appointment at present amounts to £59 6s. per annum. Applicants for the first-named appointment should be Associates of the Royal Institute of British Architects, and for the second appointment should have passed some part of the examination qualifying for A.R.I.B.A.

The Council will consider the provision of housing accommodation for the successful candidates.

The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass medical examinations.

Canvassing, directly or indirectly, will disqualify, and candidates should disclose relationship (if any) to any Member or Senior Officer of the Council.

Applications, stating age, qualifications and experience, with copies of not more than three testimonials, endorsed "Architectural Assistant VI" or "Architectural Assistant IV," as the case may be, should reach the undersigned not later than the first post on Friday, 30th May, 1947.

A. E. POOLE,
Clerk of the Council.

Council Offices, Grays, Essex.
9th May, 1947. 935

CITY AND COUNTY OF NEWCASTLE-UPON-TYNE.

Applications are invited for the undermentioned appointments, in the City Architect's Department. Salaries in accordance with the National Joint Council Salary Scales, plus cost-of-living bonus, at present £59 16s. per annum.

(*a*) ASSISTANT ARCHITECT. A.P.T., Grade IV (£420-£465).

(*b*) ASSISTANT ARCHITECT. A.P.T., Grade II (£360-£405).

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937, and may be terminated by one month's notice on either side. The successful candidate will be required to pass a medical examination.

Applications, stating age, qualifications, experience and post applied for, and accompanied by copy testimonials, should be addressed to the City Architect, 18, Cloth Market, Newcastle-upon-Tyne, 1.

7th May, 1947. 962

WESTMORLAND COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(*a*) SENIOR ASSISTANT ARCHITECT (Grade VI). Salary, £535-£600.

Preference will be given to Associates R.I.B.A., with good experience of modern School, Police and/or Public Health work, and the organisation and supervision of large building contracts.

(*b*) ASSISTANT ARCHITECT (Grade III). Salary, £390-£435.

Candidates should preferably, but not essentially, have passed the R.I.B.A. Intermediate Examination, must have had general drawing office experience, and possess a sound practical knowledge of building adaptation and maintenance work.

(*c*) ARCHITECTURAL ASSISTANT (Grade I). Salary, £350-£375.

Candidates should be good draughtsmen, have had some previous drawing office experience, and a sound knowledge of modern building construction. Some surveying experience would be helpful.

A cost-of-living bonus (at present £59 16s.) will be payable in addition to the salaries given above.

The appointments will be on the permanent staff of the County Council (terminable by one month's notice on either side), and subject to superannuation and successful medical examination.

Applications, clearly endorsed with the post applied for, and giving particulars as to age, education, etc., qualifications and experience (and/or war service), and accompanied by copies of two recent testimonials, must be received by R. H. Crompton, A.R.I.B.A., A.M.T.P.I., County Architect, County Hall, Kendal, not later than Saturday, 7th June, 1947.

H. B. GREENWOOD,
Clerk of the County Council.

County Hall, Kendal. 942

CROWN AGENTS FOR THE COLONIES.

Applications from qualified candidates are invited for the following post:—

CHIEF DRAUGHTSMAN (ARCHITECTURAL) required by the Government of Hong Kong Public Works Department, for a tour of three years, with prospect of permanency. Salary according to qualifications and experience in the scale £475, rising to £575 a year, plus cost-of-living allowance of £175 a year for a married man, and for a single man £140 a year. Outfit allowance £60. Free passages and quarters. Candidates, not over 40 years of age, must be first-class draughtsmen, with wide experience in the drawing offices of architects or builders, and possess a thorough knowledge of modern building construction necessary for the preparation of contract drawings. They should be able to control and supervise the work of a staff of draughtsmen. Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/N/17408 on both letter and envelope. 963

CIVIL SERVICE COMMISSION.

The Civil Service Commissioners give notice of the following estimated numbers of vacancies in the Works Group of situations in Government Departments, to be filled by a series of Competitive Interviews:—

80 ARCHITECTS.
20 SURVEYORS
150 QUANTITY SURVEYORS.
40 CIVIL ENGINEERS.
200 LANDS OFFICERS (AND ESTATE SURVEYORS).

The vacancies, which are in the Assistant Grade in each case, are likely to occur in a number of Departments, notably Admiralty, Air Ministry, War Office, Public Trustee Office, The Ministries of Works, Transport, Education, Agriculture and Fisheries, and the Scottish Department of Agriculture.

Candidates must have been born on or after 2nd August, 1905, and have attained the age of 25 by the 1st January of the year in which they compete (for Assistant Civil Engineer in the Admiralty candidates must be under 29 years of age on the same date), and must have the appropriate professional qualifications and experience.

Salary scales for men in London:—
Assistant Grade, £500×£25—£750.
Main Grade, £750×£25—£1,000.
Senior Grade, £1,050×£35—£1,270.

Salaries for women and for officers appointed to the provinces will be somewhat lower.

Forms of application and copies of the regulations, with full particulars of the qualifications required may be obtained from the Secretary, Civil Service Commission, 6, Burlington Gardens, London, W.1, quoting No. 1896, or (until 31st July, 1947, from the Chief Officer, Civil Service Commission, at the following addresses:—

India: 10, Underhill Lane, Delhi.
Egypt: 8, Sharia Tolumbat, Garden City, Cairo.
Germany: c/o 2nd Echelon, G.H.Q., B.A.O.R.

Application forms from civilian candidates in the United Kingdom must be completed and in the hands of the Commissions not later than the 30th June, 1947. Candidates now serving in H.M. Forces or the Women's Services or civilians now overseas must send in their application forms not later than 31st August, 1947. 964

DERBYSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the under-mentioned appointments on the permanent staff.

Conditions of service and salaries are in accordance with the National Joint Council Scheme for Local Authorities, as adopted by the County Council.

(*a*) ASSISTANT ARCHITECT. Grade V. Salary, £460-£510.

(*b*) ASSISTANT ARCHITECT. Grade IV. Salary, £420-£465.

Applicants should have had experience in the design and construction of modern buildings, have a knowledge of surveying and levelling, and possess an appropriate professional qualification.

(*c*) ARCHITECTURAL ASSISTANTS. Grade I. Salary, £330-£375.

Applicants to have had a good general architectural experience and to be first-class draughtsmen.

QUANTITY SURVEYORS:
(*d*) Grade VII. Salary, £575-£650.
(*e*) Grade VI. Salary, £535-£600.

Applicants must possess an appropriate professional qualification, and have had experience in the preparation of estimates, "taking off" quantities for all trades, measuring up, and preparing final accounts.

ASSISTANT QUANTITY SURVEYORS:
(*f*) Grade III. Salary, £390-£435.
(*g*) Grade II. Salary, £360-£405.

Applicants should have had experience in "taking off" and "working-up."

In addition to the annual salaries payable under the respective grades, a cost-of-living bonus, at present £59 16s. per annum, is payable in each case.

Applicants must state in their applications whether or not they are related to any member of the Council or to the head of a department under the Council.

Canvassing of members of the Council, directly or indirectly, will be a disqualification for appointment.

The appointments will be subject to one month's notice on either side, and to the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

The Council is not able to assist successful applicants in the provision of housing accommodation.

Applications, stating age, present position and salary, qualifications and previous experience, accompanied by copies of two recent testimonials, should reach the undersigned not later than 28th May, 1947.

Envelopes and applications must be endorsed, stating clearly the vacancy for which the application is made.

F. HAMER CROSSLEY, Dipl. Arch., A.R.I.B.A.,
County Architect.

16th May, 1947. 965

MINISTRY OF EDUCATION.
ROYAL COLLEGE OF ART.
APPOINTMENT OF PRINCIPAL.

The Ministry of Education invites applications from persons of experience in the field of design for the post of Principal of the Royal College of Art, South Kensington, which will be vacated by Mr. P. H. Jowett on retirement next December.

The appointment will be a full-time appointment, with an annual salary of £1,800 (for a man) or £1,625 (for a woman). There will also be an entertainment allowance attaching to the post of £100 a year. The post will be an established post for the purposes of the Civil Service Superannuation Acts.

Further particulars may be obtained on application in writing to the Secretary, Ministry of Education (Establishment Branch), Belgrave Square, S.W.1.

Completed applications must reach the Ministry not later than Saturday, 28th June next. Selection will be made by an Interview Board set up by the Civil Service Commissioners. The candidate selected will be required to take up duty on 1st January, 1948. 979

WOKING URBAN DISTRICT COUNCIL.
APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT.

Applications are invited for the above permanent appointment, in the Engineer and Surveyor's Department, at a salary in accordance with A.P.T. Division, Grade V, of the National Joint Scales (£460, rising to £510 per annum, plus cost-of-living bonus). Applicants should be qualified Architects.

The successful candidate will be assisted as far as possible in securing suitable housing accommodation.

The appointment, which may be terminated by one month's written notice on either side, is subject to the provisions of the Local Government Superannuation Act, 1937, and the person appointed will be required to pass a medical examination.

Forms of application may be obtained from Mr. H. P. Tame, A.M.I.C.E., M.T.P.I., Registered Architect, Engineer and Surveyor, Council Offices, Woking, and must be delivered in a plain sealed envelope endorsed "Chief Architectural Assistant," to the undersigned not later than 6th June, 1947.

F. H. SMITH,
Clerk of the Council.

Council Offices, Woking.
12th May, 1947. 978

CITY OF PORTSMOUTH.
CITY PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the following permanent appointments, in the Department of the City Planning Officer.

(*a*) PLANNING ASSISTANT (Grade III).

Applicants should have a knowledge of the technique of planning, and be experienced in Statutory Planning practice and Interim Development Administration, and must be competent draughtsmen.

The salary is Grade III of the National Scale of Salaries, *viz.*, £390-£435 per annum, plus cost-of-living bonus.

(*b*) TRACER (General Division).

Applicants should be neat, accurate, and expeditious draughtsmen, with previous drawing office experience.

The salary will be in accordance with the General Division of the National Scale of Salaries, rising to a maximum of £300 per annum for men, and £240 per annum for women, at the age of 30, plus cost-of-living bonus. For persons over 21, the bonus at present is £59 16s. per annum for men and £48 2s. per annum for women.

The appointments will be subject to the National Scheme of Conditions of Service, and to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Applications, stating age, qualifications and experience, together with the names of three responsible persons to whom reference may be made, must be delivered to the undersigned, clearly marked "City Planning Appointment," not later than the 7th June, 1947.

Canvassing will disqualify.

V. BLANCHARD,
Town Clerk.

City Council Chambers, Southsea.
8th May, 1947. 966

BOROUGH OF NELSON.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of SECOND ARCHITECTURAL ASSISTANT, in the Borough Surveyor's Department, at a salary in accordance with Grade IV of the National Scale, £420—£15—£465, plus cost-of-living bonus at present £59 16s. per annum.

Candidates should have had experience in housing and general work. Applications, giving detailed particulars of experience and qualifications, endorsed "Architectural Assistant," with copies of three recent testimonials, to be delivered to the undersigned on or before Saturday, 7th June, 1947.

F. W. ROBERTS,
Town Clerk.

Town Hall, Nelson, Lancashire.
13th May, 1947. 975

ESSEX COUNTY COUNCIL.
COUNTY LAND AGENT'S DEPARTMENT.

Applications are invited for the appointment of ASSISTANT ARCHITECT AND BUILDING SURVEYOR, Grade II, £360 per annum, rising by annual increments of £15 to £405 per annum, and in addition there will also be paid such war bonus (if any) as the Council may from time to time decide. The amount of bonus at present payable is at the rate of £59 16s. per annum.

Candidates should be good draughtsmen, and have had some experience in architecture or building surveying. Preference will be given to those candidates who have passed or are studying for appropriate professional qualifications. The duties include the preparation of plans and specifications for new farm houses and farm buildings, and the alteration and maintenance of existing buildings on the Council's agricultural estates.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the person appointed will be required to pass a medical examination to the satisfaction of the Council.

The Scheme of Conditions of Service of the National Joint Council for Local Authorities Administrative, Professional, Technical and Clerical Services is at present applicable to persons appointed on the Established Staff.

Applications must be made on a form to be obtained from the County Land Agent, 69, Duke Street, Chelmsford, and returned to him completed, together with copies of not more than three testimonials, not later than 9th June, 1947.

Canvassing, either directly or indirectly, is forbidden.

JOHN E. LIGHTBURN,
Clerk of the County Council.

County Hall, Chelmsford.
13th May, 1947. 977

EDINBURGH COLLEGE OF ART.

The Board of Management may award in June this year three Scholarships of £225 for one year for a full time course in TOWN AND COUNTRY PLANNING, at the School of Architecture of the College, for the session beginning on 1st October, 1947. Candidates must be British subjects, under the age of 30 on 1st October, 1947, and should possess a degree or diploma in Architecture, Civil Engineering or Surveying, and have had practical professional experience. The last date for receipt of applications is 10th June 1947.

Further particulars may be obtained from the Registrar and Secretary, Edinburgh College of Art, Edinburgh, 3. 969

WORCESTERSHIRE COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.
APPOINTMENT OF SENIOR PLANNING ASSISTANT.

Applications are invited for the appointment, on the permanent staff of the County Council, of a Senior Planning Assistant, at a salary in accordance with Grade VI of the Administrative, Professional and Technical Division of the National Joint Council Scales of Salaries (£535-£600 a year), plus cost-of-living bonus, at present £59 16s. per annum. A travelling allowance will be paid in accordance with the County Council's scale for the time being.

Applicants should have had considerable experience in the control of new development under the Planning Acts, and in the general work of a planning authority.

Applicants must be corporate members by examination of the Town Planning Institute and architectural qualifications, preferably of the Royal Institute of British Architects, will be considered an advantage.

The appointment is subject to :—

(*a*) The provisions of the Local Government Superannuation Act, 1937.

(*b*) The National Scheme of Conditions of Service for Local Government Officers.

(*c*) The passing of a medical examination.

(*d*) Three months' notice in writing on either side.

Applications, endorsed "Senior Planning Assistant," setting out age, experience and qualifications, together with the names of three persons to whom reference can be made, must be delivered to the undersigned not later than the first post on Monday, 9th June, 1947.

W. R. SCURFIELD,
Clerk of the County Council.

Shirehall, Worcester. (L297) 991

BOROUGH OF BEXLEY.
BOROUGH ENGINEER'S DEPARTMENT.
ARCHITECTS' SECTION.

Applications are invited for the following appointments in the Architects' Section of the Borough Engineer and Surveyor's Department, at salaries in accordance with the National Joint Council's Scales of Salaries :—

(1) FIRST ASSISTANT ARCHITECT. Salary, £535-£600 per annum (Grade VI, A.P.T. Division).

(2) ARCHITECTURAL ASSISTANT. Salary, £390-£435 or £420-£465 per annum (Grade III or Grade IV, A.P.T. Division). Commencing salary to be determined by qualifications and experience.

In each case there will be a special weighting for the London area of £20 per annum and a cost-of-living bonus of £59 16s. per annum.

Candidates for the post of First Assistant Architect must be Associates of the Royal Institute of British Architects, and have had considerable experience in designing and the supervision of contracts for houses, flats and public buildings.

Candidates for the post of Architectural Assistant must either be Associates of the Royal Institute of British Architects or be in an advanced stage of preparation for the final examination of that Institute, and must have had considerable experience in the preparation of working drawings and the inspection of works in progress.

The appointments will be subject to the Local Government Superannuation Act, 1937, and the National Conditions of Service, and will be terminable by one month's notice on either side.

Applications, giving age, present and previous appointments and experience, supported by copy testimonials, should be received by the Borough Engineer and Surveyor at the under-mentioned address by the 2nd June, 1947.

Applicants must state in their applications whether to their knowledge they are related to any member of or the holder of any senior office under the Council. Failure to do so or canvassing in any way will disqualify.

ARTHUR GOLDFINCH,
Deputy Town Clerk.

Council Offices, Bexleyheath. 982

LONDON COUNTY COUNCIL.
VACANCIES FOR ARCHITECTURAL STAFF IN THE ARCHITECT'S DEPARTMENT.

Applications are invited for a number of positions in the following grades :—

ARCHITECT (Grade III), £550—£25—£700 a year (professional qualifications required).

TECHNICAL ASSISTANT (Section A), £440—£20—£580 a year.

TECHNICAL ASSISTANT (Section B). Up to 167s. 6d. per week.

Commencing rates will be according to qualifications and experience.

Required for work in connection with the design and erection of new schools and other buildings, and structural alterations to existing buildings.

A number of technical assistants also required for the preparation of specifications and estimates for works of cleaning and painting, war damage repairs, and alterations at schools and other buildings.

Successful candidates are required to contribute to the Council's Superannuation and Provident Fund, and will be eligible for permanent appointment and for advancement to higher positions, according to merit.

Other things being equal, ex-Service men and women will receive special consideration.

Application forms may be obtained from the Architect to the Council, County Hall, Westminster Bridge, London, S.E.1, enclosing stamped addressed foolscap envelope.

Canvassing disqualifies. (1405) 891

GOVERNMENT OF NORTHERN IRELAND.
ASSISTANT QUANTITY SURVEYORS.

Applications are invited for the post of Assistant Quantity Surveyor, in the Ministry of Finance. The employment will be temporary, but so far as can be foreseen will last for at lease several years.

Qualifications : Candidates must be Professional Associates of the Chartered Surveyors' Institution (Quantities Section).

Preference will be given to candidates who served with H.M. Forces during the 1914-18 or the 1939-45 war, providing the Ministry is satisfied that such candidates can, or within a reasonable time, will be able to discharge the duties of the post efficiently.

Remuneration : Successful candidates will be remunerated within the range £400-£650 per annum, according to experience and qualifications. In addition a war bonus of £90 per annum is at present payable.

Closing date for receipt of applications : Applications should reach the Assistant Secretary (Establishments), Ministry of Finance, Stormont, Belfast, on or before the 30th May, 1947. Applicants should state their date of birth, and give full particulars of their qualifications and experience. They should also enclose copies of two recent testimonials. 960

COUNTY BOROUGH OF NEWPORT, MON.
BOROUGH ARCHITECT'S DEPARTMENT.
APPOINTMENT OF A CLERK OF WORKS ON THE TEMPORARY STAFF.

Applications are invited for the above post, to supervise Contracts in connection with the erection of Houses and Various Maintenance Works.

The salary for this position will be in accordance with Grade V, A.P. & T. Division, of the National Scheme for Local Government Officers, £460 to £510 per annum, plus the current cost-of-living bonus, at present £59 16s. per annum.

The appointment will be subject to the Corporation's Conditions of Service and Superannuation Scheme, and the successful candidate will be required to pass a medical examination.

In accordance with the Town Council's resolution, the successful candidate (if married and residing outside Newport) will be offered, if required, the tenancy of a temporary bungalow in the Borough for the duration of service with the Newport Corporation.

Applications, accompanied by two recent testimonials, must reach me not later than Thursday, the 5th June, 1947.

JOHNSON BLACKETT, F.R.I.B.A.,
Borough Architect.

Town Hall, Newport, Mon.
13th May, 1947. 990

CLARE RURAL DISTRICT COUNCIL.
ARCHITECTURAL ASSISTANT.

Applications are invited for the above position on the permanent staff of the Council, at a salary in accordance with Grade IV, A.P.T. Division National Scale of Salaries, £420-£465, plus cost-of-living bonus.

Applicants should possess a car, for which a travelling allowance will be determined.

Candidates must have had previous architectural experience, be fully conversant with present housing requirements, and be capable of surveying and levelling and the preparation of housing layouts, and administration of Building Contracts.

Preference will be given to Registered Architects, who are Members of the Royal Institute of British Architects.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and terminable by one month's notice on either side, and to the successful applicant passing a medical examination.

Applications, stating age, qualifications and experience, accompanied by two recent testimonials, should be forwarded to the undersigned not later than the 31st May, 1947.

R. F. BUCKLEY,
Clerk of the Council.

3, Wratting Road, Haverhill, Suffolk. 971

SEVENOAKS RURAL DISTRICT COUNCIL.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the permanent appointment of Architectural Assistant, in the Engineer and Surveyor's Department, at a salary in accordance with Grade II of the A.P. & T. Division of the National Joint Council Scale (£360—£15—£405 per annum), plus cost-of-living bonus (at present £59 16s. per annum).

Preference will be given to applicants who have passed the Intermediate Examination of the R.I.B.A. o rhold an equivalent professional qualification, and have a good knowledge of quantities. Experience on housing work in a Municipal office would be an advantage.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to the National Scheme of Conditions of Service. The successful candidate will be required to pass a medical examination.

Applications, endorsed "Architectural Assistant," stating age, qualifications and experience, and accompanied by the names and addresses of two persons to whom reference can be made, must be received by the undersigned not later than Wednesday, 4th June, 1947.

Canvassing will be a disqualification.

JOHN MUDD,
Clerk to the Council.

Inglewood, Oak Hill Road, Sevenoaks.
12th May, 1947. 970

BOROUGH OF WILLESDEN.
APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

The Council invites applications for the following permanent appointments, in the Borough Engineer and Surveyor's Department :—

(*a*) ONE FIRST-CLASS ARCHITECTURAL ASSISTANT.

(*b*) ONE SECOND-CLASS ARCHITECTURAL ASSISTANT.

Applicants for both positions must have passed the Final Examination of the Royal Institute of British Architects or other examination recognized as equivalent by the Institute, and in addition be qualified for election to Associateship of the Institute.

The salary attaching to the post (*a*) will be Administrative, Professional and Technical Division, Grade V, of the National Salary Scale for the London area, namely £480 p.a., rising to £530 p.a., plus cost-of-living bonus, which is at present £59 16s.

Applicants for the above positions should preferably have a general knowledge and experience of Architectural work obtained in the service of a Local Authority.

The appointments, which will be terminable by one month's notice on either side, are subject to the provisions of the Local Government Superannuation Act, 1937, and successful candidates will be required to pass a medical examination.

Applications, together with copies of not more than three recent testimonials, should be forwarded to the undersigned, endorsed "Architectural Assistant," no later than 10 a.m. on 9th June, 1947.

Canvassing, directly or indirectly, will be deemed a disqualification.

(Sgd.) R. S. FORSTER,
Town Clerk.

Town Hall, Dyne Road, Kilburn,
London, N.W.6. 981

BOROUGH OF NUNEATON.
APPOINTMENT OF ARCHITECTURAL ASSISTANTS.

Applications are invited for the following permanent posts, in the Borough Surveyor's Department :—

(*a*) ASSISTANT ARCHITECT. Salary, A.P.T., Grade V, £460-£510 per annum.

(*b*) ASSISTANT ARCHITECT. Salary, A.P.T., Grade III, £390-£435 per annum.

Cost-of-living bonus, at present £59 16s. per annum, will be payable in respect of each appointment.

Applicants for (*a*) should be registered Architects and Members of the Royal Institute of British Architects, or hold an equivalent qualification. Experience in Housing, School and other Public Building is desirable.

Applicants for (*b*) should have passed the intermediate examination of the Royal Institute of British Architects, or hold an equivalent qualification, and have general knowledge and experience of architectural work.

The appointments are subject to the Conditions of Service of the National Joint Council and the provisions of the Local Government Superannuation Act, 1937, and to determinations by one calendar month's netice on either side. The successful applicants will be required to pass a medical examination.

Form of application may be obtained from the Borough Surveyor.

Applications, in envelopes endorsed as to appointment applied for, stating age, past and present appointments, details of qualifications and experience, together with one testimonial and names of two referees, should reach the undersigned not later than Friday, 6th June, 1947.

R. O. MOON, A.M.I.C.E.,
Borough Engineer and Surveyor.

Council House, Nuneaton.
14th May, 1947. 980

BOROUGH OF WISBECH.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, Grade III, A.P.T. Division of the National Scale, £390×£15 to £435, plus cost-of-living bonus, at present £59 16s. per annum.

Applicants should have had general architectural experience. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act 1937 and to the successful candidate passing a medical examination, and to one calendar month's notice on either side.

The person appointed will be required to devote the whole of his time to the duties of the particular office.

Applications, suitably endorsed, stating age, qualifications and particulars of experience, accompanied by copies of two recent testimonials, should be received by the undersigned not later than Saturday, 21st June, 1947.

Canvassing, either directly or indirectly, is prohibited, and candidates should state in their applications whether, to their knowledge, they are related to any member of, or holder of, any senior office to the Council.

J. E. SIDDALL,
Town Clerk.

Town Tall, Wisbech, Cambs.
10th May, 1947. 969

BOROUGH OF LUTON.
BOROUGH ENGINEER'S DEPARTMENT.
TECHNICAL STAFF.

Applications are invited for the following appointments:—

(*a*) SENIOR ARCHITECTURAL ASSISTANTS. Salary, £535-£600.

(*b*) ARCHITECTURAL ASSISTANTS. Salary, £420-£465.

(*c*) SENIOR ENGINEERING ASSISTANTS. Salary, £460-£510.

(*d*) ENGINEERING ASSISTANT. Salary, £420-£465.

(*e*) PLANNING ASSISTANT. Salary, £360-£405.

(*f*) SENIOR QUANTITY SURVEYING ASSISTANT. Salary, £535-£600.

Applicants for appointments (*a*) and (*b*) must be A.R.I.B.A., and have had extensive experience in the design and construction of public buildings, schools and municipal houses. In particular, one Senior Assistant must have had recent experience in the design and development of housing schemes and one in the design and development of new schools.

Applicants for appointments (*c*) and (*d*) should be A.M.Inst.C.E. or A.M.Mun.E., and have had considerable experience of municipal engineering works.

Applicants for appointment (*e*) should have had considerable planning experience and be first-class draughtsmen.

Applicants for appointment (*f*) must have had extensive experience in quantity surveying and be P.A.S.I. or A.I.Q.S.

The appointments are all subject to the provisions of the Local Government Superannuation Act, 1937, and to temporary cost-of-living bonus, at the rate of £59 16s. per annum.

Applications, suitably endorsed, giving particulars of age, qualifications, experience and present appointment and salary, together with copies of not more than three recent testimonials, should be delivered to the Borough Engineer, Town Hall, Luton, as soon as possible, and in any case not later than first post on Friday, the 30th May, 1947.

Canvassing, either directly or indirectly, will disqualify.

W. H. ROBINSON,
Town Clerk.

Town Hall, Luton.
8th May, 1947. 958

METROPOLITAN BOROUGH OF HAMPSTEAD.
APPOINTMENT OF CHIEF ARCHITECTURAL ASSISTANT (A.P.T., VI-VII).
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the appointment of Chief Architectural Assistant, on the permanent staff of the Housing Architect's Section of the Borough Engineer and Surveyor's Department, at a salary in accordance with Grades VI-VII of A.P.T. Division, National Scales of Salaries, £535-£650 per annum, plus £20 London weighting and bonus, at present £59 16s. per annum. Age limit: 45 years of age on 1st June, 1947.

Applicants must be Registered Architects qualified by examination, and should have had previous municipal architectural experience in housing. A knowledge of Town Planning will also be considered an advantage.

Applications, stating (*a*) age, (*b*) examination qualifications, (*c*) present and past appointments, with dates and salaries, (*d*) particulars of experience, and accompanied by copies of three recent testimonials, must be delivered to me in a sealed envelope, endorsed "Chief Architectural Assistant," not later than 9th June, 1947.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

The conditions of service are those in the National Scheme for Local Government Officers, and the appointment will be terminable by one calendar month's notice on either side.

Canvassing will disqualify.

P. H. HARROLD,
Town Clerk.

Town Hall, Haverstock Hill, N.W.3.
May, 1947. 974

BUCKS COUNTY COUNCIL.
ARCHITECT'S DEPARTMENT.
APPOINTMENT OF ASSISTANT ARCHITECTS.

Applications are invited for the appointment of Two Assistant Architects, at a commencing salary on A.P.T. Division, Grade VI, £535-£600, plus bonus (now £59 19s. p.a.).

Candidates must be fully qualified and preferably have particular knowledge of the design and/or construction of schools, police, or public health works.

The appointments are permanent and subject to the:—

(*a*) National Scheme of Conditions of Service.
(*b*) Local Government Superannuation Act, 1937.
(*c*) Successful candidates passing a medical examination.

Details of these appointments and forms of application may be obtained from F. A. C. Maunder, R.S., Dip. Arch., F.R.I.B.A., A.M.T.P.I., County Architect, County Offices, Aylesbury, to whom applications must be delivered not later than Tuesday, 3rd June, 1947. 957

CITY OF BIRMINGHAM.
PUBLIC HEALTH DEPARTMENT.
APPOINTMENT OF DEPARTMENTAL ARCHITECT.

Applications are invited from qualified Architects for the post of Architect to the Public Health Department. Candidates must be Fellows or Associates of the Royal Institute of British Architects, and should have had considerable experience in the planning of specialised buildings of the type normally required by a Public Health Department, such as Hospitals, Clinics, Hostels, Health Centres and Residential Nurseries. Candidates must be competent to take complete charge of the design and construction of such buildings, and should have had experience in the control of staff of an Architect's Department.

The scale of salary for the appointment is £800, rising by £50 annually to £1,000 per annum, plus cost-of-living bonus, at present £59 19s. per annum. The commencing salary may be arranged within this scale, according to experience and ability.

The appointment will be subject to three months' notice of termination on either side, to the provisions of the Local Government Superannuation Act, 1937, and the Birmingham Municipal Officers Widows' and Orphans' Pensions Scheme, and the successful candidate will be required to pass a medical examination.

Applications, stating qualifications, age, and experience, accompanied by copies of three recent testimonials, should be forwarded to the Secretary, Public Health Department, Council House, Birmingham, 3, not later than 31st May, 1947. 961

Architectural Appointments Vacant

Four lines or under, 5s.; each additional line, 1s. 6d.

ARCHITECTURAL ASSISTANT required immediately in busy London office. Working drawings, details, surveys, specifications and supervision of work. State age, qualifications, experience and salary required to Box 854.

ARCHITECTURAL ASSISTANT required in general practice in Somerset; R.I.B.A. Intermediate standard; good draughtsmanship and experience essential; excellent prospects; salary by arrangement. Box 869.

TWO ARCHITECTURAL ASSISTANTS wanted in Cambridge office; salary according to ability, up to £400 per annum. Full details to D. C. Denton-Smith, L.R.I.B.A., 40, Regent Street, Cambridge. 676

ARCHITECTS, Piccadilly, have vacancies for one or two capable ASSISTANTS. Ring REGent 7461 for appointment. 933

QUALIFIED ARCHITECT required as Managing Assistant for extensive progressive practice, mainly concerned with housing; knowledge of quantities useful; must have up-to-date experience and knowledge of present building regulations; car owner/driver. Send full details, including salary required, to Box 934.

ARCHITECTURAL ASSISTANT required to prepare layout and working drawings for new factories and extension on an industrial estate which is being developed on modern lines in South Essex; previous experience of industrial work is an advantage, but quality of draughtsmanship and knowledge of construction are first essentials; age and full particulars of experience should be stated; assistance would be given in obtaining a house. Write Personnel Manager, Samuel Williams & Sons, Dagenham Dock, Essex. 940

ESTIMATING and Costing Surveyor or Engineer required by old-established civil engineering and building contractors in Essex engaged mainly on factory construction and extensions; considerable experience of estimating and costing in a contractor's head office is essential, but management of contracts is not one of the duties; salary about £800 per annum, depending on experience and ability; applicants should give details of their age, education, qualifications, and experience with dates. A house may be available if required. Write Box 1689, c/o Charles Barker & Sons, Ltd., 31, Budge Row, London, E.C.4. 941

LONDON PASSENGER TRANSPORT BOARD.—Applications are invited for appointments on the temporary staff of the Architect's Office as follows:—ASSISTANT ARCHITECTS, ARCHITECTURAL ASSISTANTS, STRUCTURAL ENGINEERING ASSISTANTS. Salaries range from £250 to £465 per annum, according to ability, qualifications and experience, plus war advance, at present £72 10s. per annum. Applications, which should give a brief outline of training and experience, to be sent to the Staff Officer (ER/E.408), 55, Broadway, Westminster, S.W.1. Applicants may also telephone ABBey 1234, Extension 194. 977

ARCHITECT AND SURVEYOR, qualified, and with specialist experience in Business and Industrial property, required, age 35-45; ability to take managing position in control of office output and staff essential; London office, with provincial clientele; salary and opportunities to interest able progressive man. Apply S., Box 968.

ARCHITECTURAL ASSISTANTS required by London Architects, with large general practice; excellent prospects. Write, stating experience and salary required. Box 967.

ASSISTANT ARCHITECTS required; preferably commercial and industrial experience; salary up to £500, according to qualifications, plus cost-of-living bonus; superannuation scheme. Applications, stating age, experience, and qualifications, with testimonials, to the Co-operative Wholesale Society, Ltd., Architects' Dept., 90, Leman Street, London, E.1. 973

WANTED. — SHOPFITTING DRAUGHTSMAN; accustomed to shop-front design, shop layout, and half-inch details. Applications, stating age, experience, and qualifications, with testimonials; staff superannuation scheme. Box 972.

REQUIRED IMMEDIATELY. — SENIOR ASSISTANT, for expanding practice in Cumberland, Westmorland and North Lancashire. C. B. Martindale, A.R.I.B.A., Cathedral Chambers, Castle Street, Carlisle. 945

FIRST-CLASS ARCHITECTURAL ASSISTANT required by South Coast Chartered Architect; applicant must be 25-30, R.I.B.A. Inter. standard, capable of taking control of office, and experienced in housing, factory extensions, surveys, dilapidations, etc.; the post will be progressive, and salary paid according to ability and initiative. Applicants should state experience, salary required, and when prepared to start, to Box 946.

ASSISTANT required; not less than Inter. R.I.B.A. standard, with some office experience. Write, stating age and details of experience and salary required, to Welch & Lander, F./F.R.I.B.A., 38, Gloucester Place, Portman Square, W.1. 947

DRAUGHTSMEN wanted in Architect's office of a Bank; applicants must be good draughtsmen, able to measure up buildings and plot surveys. Reply, stating age, training, experience, qualifications, and salary required, to Box 948.

ARCHITECTURAL ASSISTANT urgently required for industrial work; experienced in all duties, including supervision. Junior wanted also. Apply in writing, with full particulars, Thomas Barker & Son, Chartered Architects, Midland Bank Chambers, Bradford. 949

ASSISTANT wanted for Architect's Department of Heavy Industrial Organization in East Midlands area; progressive position for first-class draughtsman with sound knowledge of construction. Apply, stating age, salary required, and details of experience, to Box 993.

COMPETENT BUILDING SURVEYOR; experience of specifications, war damage, priced estimates. Apply, stating salary, etc., to Matthews & Son, 91, Gower Street, W.C.1. 983

ARCHITECT to London Brewery requires ASSISTANT, to measure up buildings and plot surveys; must be a neat and accurate draughtsman; experience in the use of theodolite and knowledge of ordnance maps an advantage. Reply, stating age, training, experience, and salary required, to Box 975.

ARCHITECT'S ASSISTANT required. Apply, stating experience and salary required, to Mr. T. F. Trower, F.R.I.B.A., 74, Upper Close, Norwich. 986

DRAUGHTSMAN.—Junior for London firm; used to architectural metalwork, including stores and hotel equipment, etc.; capable of designing simple schemes under supervision; permanency, with good prospects. Write, stating age, experience, and approximate salary desired, to Box 985.

YORKSHIRE Brewery Architect requires ASSISTANT; previous brewery experience desirable; must be able to prepare plans in all stages, and capable of controlling direct labour. Apply, stating age, experience, and salary required, to Box 984.

ARCHITECT'S ASSISTANT required urgently in established Architect's office; able to prepare working drawings and sketches for large housing schemes and other important commercial work; salary, 8 to 9 guineas per week, according to qualifications. Apply to Braxton, Sinclair & Partners, 45, Whitehall, S.W.1. 983

ARCHITECTURAL ASSISTANT, for small modern office, East Anglia; pleasant conditions.—Full particulars and salary required to Box 994.

Architectural Appointments Wanted

ASSISTANT (21 years), wide experience, seeks three days' work per week in Essex or Suffolk; own car; salary, or fees by arrangement. Box 316.

COMPETENT ASSISTANT requires post; Yorks or North Country preferred, although not essential. Box 328.

GENTLEMAN (21), ex-Service, public school, now studying for final, having just sat for Inter. III B, R.I.C.S., through College of Estate Management, seeks experience in Architect's office (London area). Box 326.

JUNIOR ASSISTANT, studying R.I.B.A. final, good experience general practice, available temporary post during summer vacation (July-September); preferably Home Counties, but willing go anywhere. Box 327.

ASSISTANT (29), ex-Service, desires position in London or Provinces; 5 years' pre-war experience, industrial and commercial; anxious to obtain good post-war experience; sitting R.I.B.A. final next year; salary by arrangement. Replies to Box 321.

ARCHITECTURAL Student (age 26), with 4 years' experience in municipal office, requires post in Architect's office; South. Box 322.

A. R.I.B.A. (R.I.B.A. Ashpitel prizeman), ex-Major R.E., re-commencing practice, own London office, 16 years' varied experience, requires part-time work, preferably on hourly basis. Box 323.

SENIOR ARCHITECTURAL ASSISTANT seeks spare-time work for Architects, Surveyors, etc.; housing, shops, Flats, war damage; first-class draughtsman; London or South areas; specimen of work submitted to anyone interested. Write Box 324.

ASSISTANT requires position; Leicester or Coventry area; sitting final July next; 4 years London offices; energetic and capable to carry through job complete; own car, free late July. Box 325.

Other Appointments Vacant

Four lines or under, 5s.; each additional line, 1s. 6d.

LARGE Firm of Domestic Equipment Manufacturers, creating new department for Kitchen Planning, requires services of SPECIALIST, with architectural or domestic engineering background, to develop proposals for layout of equipment and discuss technical matters with clients; unusual opportunity for first-class man; five-day week; staff superannuation scheme; applicants should give details of experience, age, qualifications, and salary required. Box 989.

Other Appointments Wanted

Four lines or under, 2s. 6d.; each additional line, 1s.

ARCHITECT (21 years), wide experience all branches, seeks free lance or part time work in Essex or Suffolk; own car; fees by agreement. Box 887.

A. R.I.B.A. seeks interesting architectural work for leisure hours; particular experience in housing and schools; financial considerations of secondary importance; resident Reading area. Box 955.

THREE Undergraduates, in the fourth year of the degree course in architecture, at University College, Dublin, would spend three months this summer working in small London office; experienced in office and field work. Please write R Noel de Chenu, 14, Eglinton Park, Donnybrook, Dublin. 956

SURVEYS.—Specialist in surveys of land and buildings offers services to Architects in all parts of the country; fully equipped. Box 953.

PROFESSIONAL Assistance offered to Architects for land surveys and levelling for housing and drainage schemes, etc. Box 954.

For Sale

Four lines or under, 5s.; each additional line, 1s. 6d.

FOR SALE.—Three screw, 14 in., Stanley "Engineer" Dumpy Level, with quick setting arrangement; 2 diaphragms, mahogany case and tripod; in new condition; seen King's Lynn; what offers. Box 896.

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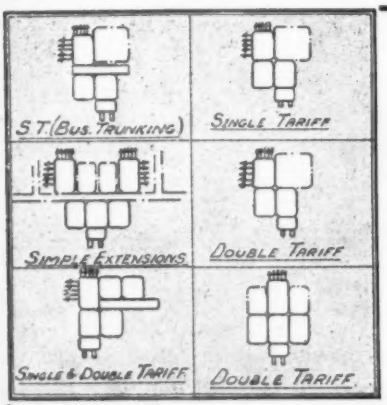
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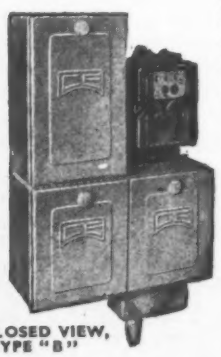


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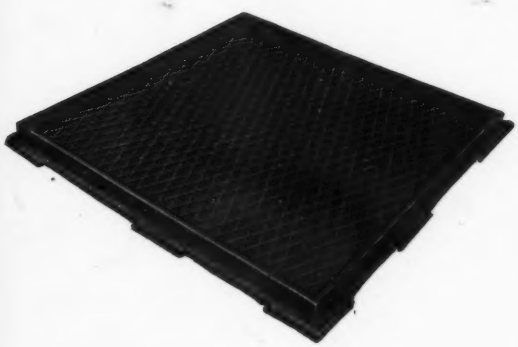




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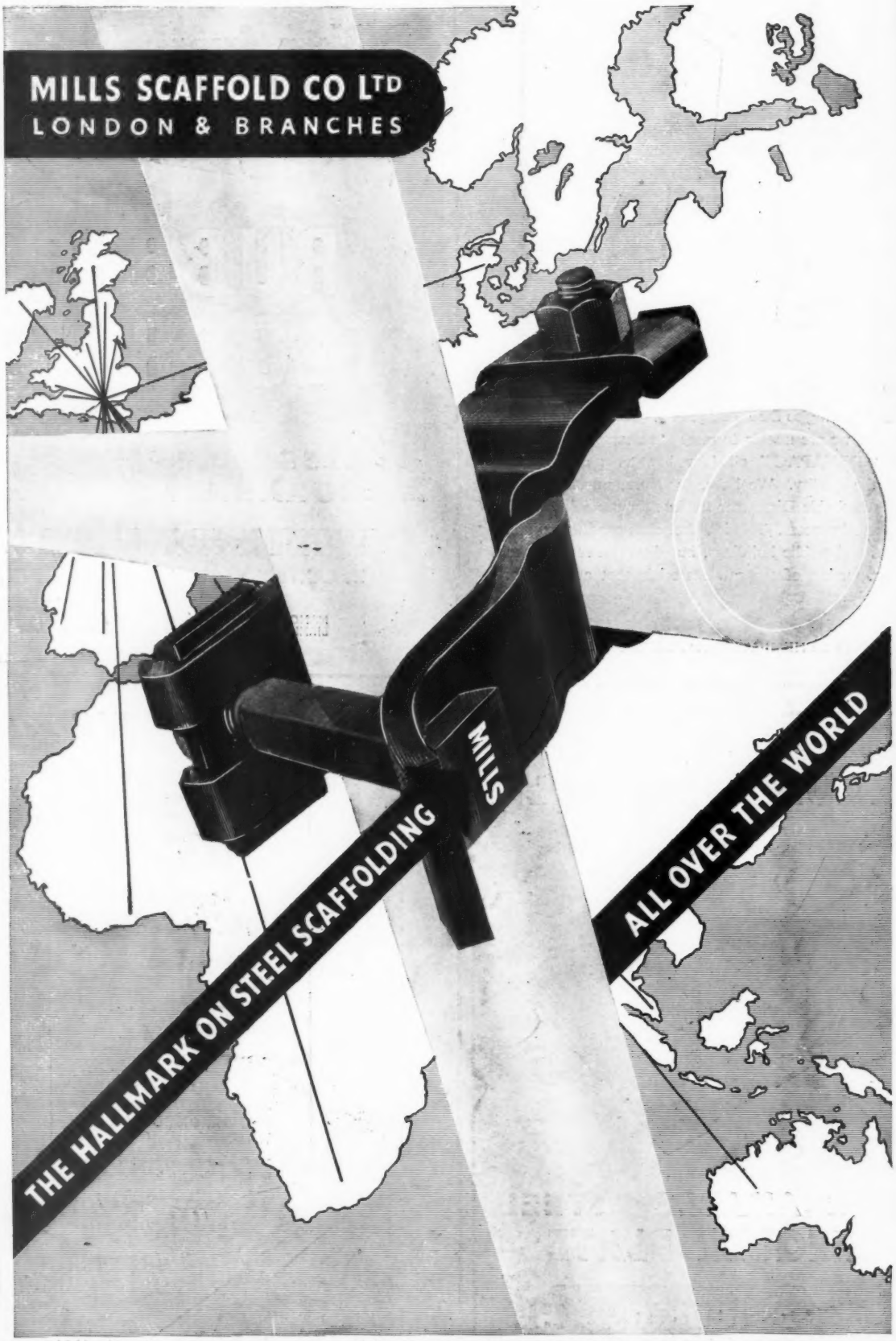
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